

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name:

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G2</u> F4	<u>G6</u> E4	We think that G2 and G6 are a pair is because they are opposite and they show the top and the bottom
<u>G12</u> F2	<u>G1</u>	We think that G1 and G12 are a pair because they have the same rate of change
<u>G9</u> F3	<u>G3</u> E3	• Both matches equal six
<u>G5</u> F5	<u>G10</u> E8	We think that these match because in three seconds the container is empty.
<u>G4</u> F1 E2	<u>G7</u> E7	We think that these match because in 3 seconds the top container is empty and the bottom is full.
<u>G11</u> F6	<u>G8</u>	We think that these match because in 2 seconds the top container is at 4 and the bottom is at 2.

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G <u>1</u> & G <u>12</u> 	<ul style="list-style-type: none"> • G ___ & G ___
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G <u>4</u> & G <u>7</u> 	<ul style="list-style-type: none"> • G <u>5</u> & G <u>10</u> 	<ul style="list-style-type: none"> • G <u>8</u> & G <u>11</u>
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G <u>6</u> & G <u>2</u> 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations
(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	They match because the x goes down by 4 and y goes up by 4
G <u>5</u>	G <u>10</u>	They are the same because they have same gain and loss in the same amount of time.
G <u>12</u>	G <u>1</u>	They have the same gained or lost amount of two centimeters
G <u>9</u>	G <u>3</u>	The top one loses 4 and the bottom gains 4 centimeters.
G <u>4</u>	G <u>7</u>	The top one loses 6 and the bottom ones gains 6 centimeters.
G <u>11</u>	G <u>8</u>	These are matching because one gains 4 in 2 seconds and the other loses 4 in 2 seconds.

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

• G <u>2</u> & G <u>6</u>	• G <u>12</u> & G <u>1</u>	• G <u>8</u> & G <u>11</u>
• G <u>9</u> & G <u>3</u>	• G <u>4</u> & G <u>7</u>	• G <u>8</u> & G <u>11</u>

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4: *1 second*

G8:

G9:

Matches that are different and explanations given by other teams.

• G <u>10</u> & G <u>4</u>	• G ____ & G ____	• G ____ & G ____
• G ____ & G ____	• G ____ & G ____	Extra Work Space

Matching Graphs, Prisms, & Equations
(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G2</u>	<u>G6</u>	G2 & G6 is correct because its impossible for a liquid to gain or go up 4cm in 1 second
<u>G11</u>	<u>G8</u>	One shows 2 numbers going down & the others has the # but going down. but it can decrease 4cm in 1 second
<u>G1</u>	<u>G12</u>	at one second it either decreases by 2 or increases
<u>G5</u>	<u>G10</u>	The rate of change for G5 is $\frac{6 \text{ centi}}{3 \text{ secs}}$ & 10/10 every second for both graphs, it increases 2 centi.
<u>G4</u>	<u>G7</u>	one has full centimeters of liquid & the other has none which means they are matching
<u>G9</u>	<u>G3</u>	Both heights matches or will equal to 6.



Matching Graphs, Prisms, & Equations

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Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G_2 & G_6 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G_1 & G_{12} <p>The slope equals 2</p>	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations

(Worksheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	The graphs are correct because both graphs show equal amount of liquid going down to the liquid up top
G <u>8</u>	G <u>4</u>	Both of these graphs start at six and slowly decrease at one second
G <u>5</u>	G <u>10</u>	The rate of change is 3 of 6 for both. Every second for both it increases 2 cm.
G <u>11</u>	G <u>3</u>	These are correct because one shows two numbers going down and the other has the same numbers but going up.
G <u> </u>	G <u> </u>	
G <u> </u>	G <u> </u>	

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G <u>1</u> & G <u>12</u> at one second it either decreases by 2 or increases 	<ul style="list-style-type: none"> • G <u>10</u> & G <u>4</u> because they both go up every 0.5 seconds 	<ul style="list-style-type: none"> • G <u>11</u> & G <u>8</u> These match because the one is decreasing and the other is increasing
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	• The correct way that they graphed.
G <u>12</u>	G <u>1</u>	• It is a falling by 2 cm. • It is rising by 1 cm.
G <u>4</u>	G <u>10</u>	• Ends at 6 • Starts at 6
G <u>5</u>	G <u>7</u>	• Starts with six • Ends with six
G <u>9</u>	G <u>3</u>	• Starts at 20 • Ends at 38
G <u>11</u>	G <u>8</u>	

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G_2 & G_6 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	they match because they match movement (increase, decrease by 2)
G <u>12</u>	G <u>1</u>	they have the same rate of change. $\frac{2}{1}$
G <u>5</u>	G <u>7</u>	there's a total of six centimeters of water and the upper container decreases while the bottom one increases
G <u>9</u>	G <u>10</u>	they match because there's a total of six centimeters and the top container decreases while the bottom one increases. same rate of change
G <u>9</u>	G <u>3</u>	They match because they both add VP and have
G <u>11</u>	G <u>8</u>	they match

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G_2 & G_6 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations

(Prism, Graph, and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	Its G2 and G6 because G2 starts with 4 and G6 has 2 but it increases because all the liquid on the top prism are decreasing to the bottom prism.
G <u>9</u>	G <u>3</u>	These are a match because G9 starts at 20 and G3 starts a 4 because they have to equal 6.
G <u>4</u>	G <u>7</u>	These are a match because G4 has 6 and G7 has 0 so all the liquid is on the top.
G <u>12</u>	G <u>1</u>	These are a match because G12 has 2 and G1 starts at 4 because it equals 6.
G <u>5</u>	G <u>10</u>	These are a match because all the liquid is on the top, and the height is 6.
G <u>11</u>	G <u>8</u>	These are a match because the top has 4 and the bottom needs 2 and G8 has 2 and we also had to draw it.

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G_2 & G_6 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	G ₂ and G ₆ are a match because they both show the liquid increasing or decreasing to 4 seconds.
G <u>4</u>	G <u>7</u>	Both lines end at 6 seconds
G <u>7</u>	G <u>1</u>	When the graphs add up they equal 6 and they both end at 1 second.
G <u>5</u>	G <u>10</u>	Both end at 3 second. The top prism starts at 6 and the bottom prism starts at 0.
G <u>9</u>	G <u>3</u>	Both end at 1 seconds. When they are added they equal 6.
G <u>11</u>	G <u>8</u>	When added they equal 6. They both end at 2 seconds. They are linear lines.

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

• G_2 & G_6	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}
• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}
• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	Extra Work Space

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name:

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G₂</u>	<u>G₆</u>	they are a match because G ₂ shows the water dripping down per second and G ₆ shows the water going back in
<u>G₄</u>	<u>G₇</u>	both graph lines end at 6
<u>G₁₂</u>	<u>G₁</u>	both graph lines start at 4 and 2 which added makes six and the line goes up to 1
<u>G₉</u>	<u>G₃</u>	both these go up and down but they both end at 2
<u>G₈</u>	<u>G₁₁</u>	The height and time both add up to 6
<u>G₅</u>	<u>G₁₀</u>	The 0 + 6 add up to 6 and the 3 + 3 add up to 6

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

• G <u>2</u> & G <u>6</u>	• G ___ & G ___	• G ___ & G ___
• G ___ & G ___	• G ___ & G ___	• G ___ & G ___

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

• G <u>1</u> & G <u>12</u>	• G <u>9</u> & G <u>3</u>	• G <u>4</u> & G <u>7</u>
• G <u>5</u> & G <u>10</u>	• G <u>11</u> & G <u>9</u>	Extra Work Space

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G₂</u>	<u>G₆</u>	<ul style="list-style-type: none"> • In your example, it was 6 so if you look at those graphs and add it, it equals 6. • In G₂ it is decreasing by 4 and in G₆, it is increasing by 4.
<u>G₅</u>	<u>G₁₀</u> F ₅	The starting situation is that G ₅ & G ₁₀ are a match because G ₅ is 6cm per 3 sec & G ₁₀ is 6cm per 3 seconds & that equals 2 too. = 2
<u>G₁</u>	<u>G₁₂</u> F ₄	The rate of change for G ₁ is 4 & 2
<u>G₄</u>	<u>G₇</u> F ₁	I found the rate of change & G ₇ has 6 cm per 6 seconds & in G ₄ , I put the scale by 2 & I got the same rate.
<u>G₈</u>	<u>G₁₁</u> F ₂	The rate of change for G ₁₁ is 4 cm per 2 seconds which equals 2 & G ₈ is 2 cm to 6 & equals 2.
<u>G₃</u>	<u>G₉</u> F ₃	The rate of change for G ₃ is 4 cm per 2 seconds and when simplified it equals 2. G ₉ has 2 cm per sec and that equals the same thing.

1, 12
Find slope

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G <u>1</u> & G <u>10</u> <p style="text-align: center;">Find the slope</p>	<ul style="list-style-type: none"> • G <u>12</u> & G <u>11</u> <p style="text-align: center;">YOU find the slope</p>
<ul style="list-style-type: none"> • G <u>4</u> & G <u>7</u> 	<ul style="list-style-type: none"> • G <u>5</u> & G <u>10</u> 	<ul style="list-style-type: none"> • G ___ & G ___

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations
(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	I can tell because g 2 was 4 and g 6 has 2 and $4+2=6$
G <u>4</u>	G <u>7</u>	g 4 was 6 and g 7 was 0 and $6-0=6$
G <u>1</u>	G <u>12</u>	g 12 starts at 2 cm and g 1 starts with 4
G <u>5</u>	G <u>10</u>	g 5 starts at 6 cm and g 10 starts at 0 cm
G <u>9</u>	G <u>3</u>	g 9 is at 4 cm and g 3 is at 2 cm
G <u>11</u>	G <u>8</u>	its G 11 & G 8 because 2 cm increasing 4 cm decreasing in 2 seconds



Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G_2 & G_6 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G_4 , G_8 , & G_9 .

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<p>Extra Work Space</p>

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Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u> F6	G <u>6</u>	I think it is G2, and G6, because G2 has 4cm in it, and G6 has 2cm in it. with which means $4+2=6$, which is $\frac{1 \text{ second}}{\text{cm}}$, and the whole container
G <u>4</u> F1 G2	G <u>7</u>	I think it is 4 & 7 because G4 starts at 6cm, and G7 starts at 0cm. 6cm is slowly decreasing, and 0cm is slowly increasing.
G <u>12</u> F4	G <u>1</u>	I think it is 12 & 1, because G12 starts at 2cm, and G1 starts at 4cm. 2cm is slowly decreasing. 4cm is slowly increasing
G <u>9</u> F3	G <u>3</u>	It's G9 and G3 because 2cm decreasing in 2 seconds, 4cm increasing in 2 seconds. $4\text{cm} + 2\text{cm} = 6\text{cm}$, and they both take 2 seconds.
G <u>5</u> F5	G <u>10</u>	I think it is 5 & 10 because G5 is at 6cm and slowly decreasing, and to 0, in 3 sec. And G10
G <u>11</u> F8	G <u>8</u>	It's G11 & G8 because 2cm increasing, 4cm decreasing in 2 seconds. They both take 2 sec.

Hey Hey

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G_2 & G_6 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<p>Extra Work Space</p>

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Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	• The rate of change is equivalent.
G <u>1</u>	G <u>10</u>	• Both are going up two than over 1.
G <u>12</u>	G <u>11</u>	• It going down so its negative
G <u>2</u>	G <u>5</u>	• You multiply it by two because its a decimal.
G <u>7</u>	G <u>3</u>	Equivalent Slope
G <u>9</u>	G <u>4</u>	

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• G <u>2</u> & G <u>6</u>	• G <u>1</u> & G <u>10</u>	• G <u>12</u> & G <u>11</u>
• G <u>2</u> & G <u>5</u>	• G <u>7</u> & G <u>3</u>	• G <u> </u> & G <u> </u>

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

• G <u> </u> & G <u> </u>	• G <u> </u> & G <u> </u>	• G <u> </u> & G <u> </u>
• G <u> </u> & G <u> </u>	• G <u> </u> & G <u> </u>	Extra Work Space

Matching Graphs, Prisms, & Equations
(Recording Sheet and Gallery Walk Guide)

Name:

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G₂</u>	<u>G₆</u>	• rate of change is equivalent / slope
<u>G₉</u>	<u>G₃</u>	• equivalent rate of change / slope
<u>G₁₁</u>	<u>G₈</u>	• equivalent slope / rate of change
<u>G₅</u>	<u>G₁₀</u>	• equivalent: slope / rate of change
<u>G₁₂</u>	<u>G₁</u>	• equivalent slope / rate of change
<u>G₄</u>	<u>G₇</u>	• equivalent slope / rate of change

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

• G_2 & G_6	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}
• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}
• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	Extra Work Space

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name:

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	These are a match because they have the same slope. one starts at 4, and the other starts at 2 which is 6.
G <u>12</u>	G <u>1</u>	These have the same rate of change, and both of them move 1 per 1!
G <u>5</u>	G <u>10</u>	These are a match because all the liquid is on top, and the height is six
G <u>9</u>	G <u>3</u>	These are a match because G 9 starts at 2.5 and G 3 starts at 2.5 because they are equal to 3.5
G <u>4</u>	G <u>7</u>	These are a match because G 4 has 6 and G 7 has 0 so all the liquid is on the top
G <u>11</u>	G <u>8</u>	These are a match because all the top has 4 and the bottom need 2 and G 8 has 2 and we also had to draw it.

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____
<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G <u>9</u> & G <u>3</u> 	<ul style="list-style-type: none"> • G <u>11</u> & G <u>7</u> 	<ul style="list-style-type: none"> • G <u>5</u> & G <u>10</u>
<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____ 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations
(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G₂</u>	<u>G₆</u>	Since in G ₂ the liquid is going to zero in one second, in G ₆ it started with 2 and increased 4 in one second.
<u>G₁₂</u>	<u>G₁</u>	G ₁₂ you lose 2 cm in 1 second, while in G ₁ you gain 2 cm in 1 seconds.
<u>G₉</u>	<u>G₃</u>	G ₉ the cm in the top prism are losing two in two seconds and in G ₃ it gains two in two seconds two.
<u>G₄</u>	<u>G₇</u>	In G ₄ you lose all six cm in 6 seconds, while in G ₇ the bottom prism is gaining 6 cm in 6 seconds.
<u>G₅</u>	<u>G₁₀</u>	In G ₅ the constraint is 6 and it all goes down in 3 seconds, while in G ₁₀ the height goes up to six in 3 seconds.
<u>G₁₁</u>	<u>G₈</u>	Since G ₁₁ height is going down 4 cm in 2 seconds, while in G ₈ the height is going up by 4 in 2 seconds.

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G_2 & G_6 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations
(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G ₂	G ₆	Ⓐ G ₂ decreases 4 cm in 1 second while G ₆ increases 4 cm in 1 second
G ₁₂	G ₁	Ⓐ G ₁₂ decreases 2 cm in 1 seconds while G ₁ increases 2 cm in 1 seconds.
G ₉	G ₃	Ⓐ G ₉ increases 2 cm in 4 seconds while G ₃ decreases 4 cm in 2 seconds.
G ₄	G ₇	Ⓐ G ₄ decreases 6 cm in 6 secs while G ₇ increases 6 cm in 6 secs
G ₅	G ₁₀	Ⓐ G ₅ decreases 6 cm in 3 secs while G ₁₀ increases 6 cm in 3 secs
G ₁₁	G ₈	Ⓐ G ₁₁ decreases 4 cm in 2 secs while G ₈ increases 4 cm in 2 secs.

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

• G_2 & G_6	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}
• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}
• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	Extra Work Space

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Name:

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G₂</u>	<u>G₆</u>	for G ₂ you decrease in 2 cm and for G ₆ you increase in 2 seconds. also for the plot you get same. They go by 0.5 rate.
<u>G₁₂</u>	<u>G₁</u>	you lose 2cm and you gain 1 in 1 second
<u>G₉</u>	<u>G₃</u>	
<u>G₄</u>	<u>G₇</u>	
<u>G₅</u>	<u>G₁₀</u>	
<u>G₁₁</u>	<u>G₈</u>	since Gill's height is going down by 4

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

• G <u>2</u> & G <u>6</u>	• G ____ & G ____	• G ____ & G ____
• G ____ & G ____	• G ____ & G ____	• G ____ & G ____

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

• G ____ & G ____	• G ____ & G ____	• G ____ & G ____
• G ____ & G ____	• G ____ & G ____	Extra Work Space

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G2</u>	<u>G6</u>	I believe these to be a match because when both are finding G to get the response from the top & bottom.
<u>G5</u>	<u>G10</u>	The starting situation decreases by 3 seconds as the 3 seconds increases to six.
<u>G12</u>	<u>G1</u>	They both go together because the rate of change is the same.
<u>G4</u>	<u>G7</u>	I believe that these two match match together because the rate of change in G7 has 6cm per seconds 64 I put the scale by 2 $\frac{1}{2}$ I got the same answer.
<u>G8</u>	<u>G11</u>	The rate of change for G11 is 4cm per 2 seconds which equals $2\frac{1}{2}$ G8 is 2cm to 6 equals to 2.
<u>G9</u>	<u>G3</u>	these are a match because it is 4cm per 2 seconds $\frac{1}{2}$ when it is simplified it equals to 2. G9 has 2cm ps and G3 equals the same.

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G_2 & G_6 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	G2 decreased 4cm in 1 second and G6 increased 4cm in 1 second
G <u>4</u>	G <u>7</u>	G4 and G7 match because G4 goes down 2cm in one second while G7 goes up 2m in one second
G <u>1</u>	G <u>12</u>	I know they are mirrors
G <u>9</u>	G <u>3</u>	
G <u>5</u>	G <u>10</u>	
G <u>11</u>	G <u>8</u>	

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G_2 & G_6 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G_4 , G_8 , & G_9 .

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations
(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	They have the same numbers. They represent the top and bottom prisms.
G <u>12</u>	G <u>12</u>	The slope both equal 2
G <u>5</u>	G <u>6</u>	They are factors of 30 one goes up and one goes down
G <u>11</u>	G <u>9</u>	one goes up and one goes down
G <u>4</u>	G <u>3</u>	They go by ones one goes up and one goes down
G <u>8</u>	G <u>7</u>	one goes up and one goes down

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G <u>5</u> & G <u>10</u> <p>rate of change for G5 is <u>6cent</u> every <u>3sec</u> and every second for both graphs, it increases <u>2cent</u></p>	<ul style="list-style-type: none"> • G <u>8</u> & G <u>4</u> <p>Both graphs start at <u>6</u>; slowly decrease every second</p>	<ul style="list-style-type: none"> • G <u>10</u> & G <u>5</u> <p>G5 it starts <u>6cm</u> and goes <u>11</u> to the bottom at <u>3sec</u>. G10 goes from <u>6cm</u> from <u>3seconds</u></p>
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations
(Recording Sheet and Gallery Walk Guide)

Name:

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G₂</u>	<u>G₆</u>	They have the exact same number. They represent the top and bottom prism.
<u>G₁₂</u>	<u>G₁</u>	Because both are going down by 12 for each second.
<u>G₅</u>	<u>G₁₀</u>	G ₅ starts with a 6 and ends with a 3 sec. G ₁₀ starts with a 6 and ends with a 6 and it takes 3 sec.
<u>G₁₁</u>	<u>G₉</u>	
<u>G₄</u>	<u>G₃</u>	
<u>G₈</u>	<u>G₇</u>	

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G <u>1</u> & G <u>10</u> 	<ul style="list-style-type: none"> • G <u>2</u> & G <u>11</u>
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9?

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G <u>5</u> & G <u>10</u> <p>rate of change of 65 is 6 cent and <u>3 sec</u> every 1 second for both groups is in 2 sec</p>	<ul style="list-style-type: none"> • G <u>8</u> & G <u>4</u> 	<ul style="list-style-type: none"> • G <u>10</u> & G <u>5</u>
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
<p style="text-align: center;"><u>G 2</u></p> <p>54</p>	<p style="text-align: center;"><u>G 6</u></p>	<p>I think G2 & G6 match together because they both match the example given. G2 has 4.0 cm in 1 sec, while G6 has 2 cm in 1 sec. ($4+2=6$)</p>
<p style="text-align: center;"><u>G 1</u></p> <p>16</p>	<p style="text-align: center;"><u>G 12</u></p>	<p>I think G1 & G12 match because in G12 the bottle is losing 2.0 cm and in the top on G1 the bottle's original liquid amount 4 cm is increasing 2 more cm which = 6.</p>
<p style="text-align: center;"><u>G 9</u></p> <p>13</p>	<p style="text-align: center;"><u>G 3</u></p>	<p>I think G3 & G9 match because on G9 the whole liquid in the bottle goes down together with the other bottle (G3) which in two seconds become 6 cm.</p>
<p style="text-align: center;"><u>G 11</u></p> <p>12</p>	<p style="text-align: center;"><u>G 8</u></p>	<p>I think G11 & G8 match because</p>
<p style="text-align: center;"><u>G 4</u></p> <p>11</p>	<p style="text-align: center;"><u>G 17</u></p>	<p>I think G4 & G17 match because in the top bottle (G4) all the liquid goes down in 6 seconds and in the bottom bottle it has all the liquid in it (6cm) in 6 seconds.</p>
<p style="text-align: center;"><u>G 5</u></p> <p>15</p>	<p style="text-align: center;"><u>G 10</u></p>	<p>I think G5 & G10 match because in G5 the whole bottle of 6cm goes down to the other bottle in 3 seconds and in the other bottle G10 which is empty soon becomes full with 6cm in 3 sec.</p>

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G <u>5</u> & G <u>10</u> 	<ul style="list-style-type: none"> • G <u>4</u> & G <u>7</u>
<ul style="list-style-type: none"> • G <u>12</u> & G <u>1</u> 	<ul style="list-style-type: none"> • G <u>9</u> & G <u>3</u> 	<ul style="list-style-type: none"> • G <u>11</u> & G <u>8</u>

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9?

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G <u>10</u> & G <u>4</u> <p>Because it goes up at every 0.5 seconds</p>	<ul style="list-style-type: none"> • G <u>7</u> & G <u>3</u> <p>It has the same slope</p>	<ul style="list-style-type: none"> • G <u> </u> & G <u> </u>
<ul style="list-style-type: none"> • G <u> </u> & G <u> </u> 	<ul style="list-style-type: none"> • G <u> </u> & G <u> </u> 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G ₂ F4	G ₆	In the G2 card it starts with 4cm of liquid, while in G6 it starts with 4cm of liquid. At 1 second G2 is at 0cm and G6 has increased 4cm of liquid. All of that happened at the same time frame.
G ₁₂ F6	G ₁	Both cards have the same amount of liquid that was lost and gained, also with the same amount of time
G ₉ F3	G ₃	Both cards are going at the same rate of 1cm per second.
G ₄ F1	G ₇	Both cards are losing and gaining 6cm of liquid. They are also going at the same rate of 1cm per second.
G ₅ F5	G ₁₀	In the G10 card, in 3 seconds it has gained 6cm amount of liquid. In the G5 card, in 3 seconds it has lost 6cm. Since they are going at the same rate, they match.
G ₁₁ F2	G ₈	G8 was the only one that did not have a match and the G11 card was convenient for it

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G <u>5</u> & G <u>10</u> 	<ul style="list-style-type: none"> • G <u>4</u> & G <u>7</u>
<ul style="list-style-type: none"> • G <u>12</u> & G <u>1</u> 	<ul style="list-style-type: none"> • G <u>9</u> & G <u>3</u> 	<ul style="list-style-type: none"> • G <u>11</u> & G <u>8</u>

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G <u>10</u> & G <u>4</u> <p>It goes up every 0.5 seconds</p>	<ul style="list-style-type: none"> • G <u>7</u> & G <u>3</u> <p>It has the same slope</p>	<ul style="list-style-type: none"> • G <u> </u> & G <u> </u>
<ul style="list-style-type: none"> • G <u> </u> & G <u> </u> 	<ul style="list-style-type: none"> • G <u> </u> & G <u> </u> 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	<ul style="list-style-type: none"> • They have the same rate of change. • If you were to compare the graph with others it wouldn't match
G <u>4</u>	G <u>7</u>	<ul style="list-style-type: none"> • The rate of change is the same if the unit rate of the x factor is 2 m
G <u>5</u>	G <u>10</u>	<ul style="list-style-type: none"> • for every second the graph by one centimeter
G <u>12</u>	G <u>1</u>	<ul style="list-style-type: none"> • they both have the same amount of liquid
G <u>11</u>	G <u>8</u>	<ul style="list-style-type: none"> • they have the same rate of change and the y were going at the same time per second
G <u>9</u>	G <u>3</u>	<ul style="list-style-type: none"> • G-9 and G-3 were the only graphs left and G-3 was correct

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

• G_2 & G_6	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}
• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G_4 , G_8 , & G_9 .

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}
• G_{\quad} & G_{\quad}	• G_{\quad} & G_{\quad}	Extra Work Space

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name:

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	<ul style="list-style-type: none"> • the rate of change is the same • compared to the model, the ratio of the liquids height in the top prism and the bottom prism are identical. the ratio of the heights
G <u>4</u>	G <u>7</u>	<ul style="list-style-type: none"> • if the unit rate of the x factor is two then the rate of change is the same
G <u>5</u>	G <u>10</u>	<ul style="list-style-type: none"> • for every second the height ^{height} goes down by one centimeter and
G <u>12</u>	G <u>1</u>	<ul style="list-style-type: none"> • the rate of change is the same ^{the same} and • the starting points
G <u>11</u>	G <u>8</u>	<ul style="list-style-type: none"> • They have the same rate of change and the y and x were going at the same direction second
G <u>9</u>	G <u>3</u>	<ul style="list-style-type: none"> • The only graphs left = correct

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G <u>5</u> & G <u>10</u> <i>In the G10 card, in 3 seconds it has gained 6cm amount of liquid</i> 	<ul style="list-style-type: none"> • G ___ & G ___
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G <u>12</u> & G <u>1</u> <i>they have the same rate of change $\frac{2}{1}$</i> 	<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___
<ul style="list-style-type: none"> • G ___ & G ___ 	<ul style="list-style-type: none"> • G ___ & G ___ 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Name:

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G₂</u>	<u>G₆</u>	I think G ₂ & G ₆ is a match because one side is decreasing and the other is increasing
<u>G₁₂</u>	<u>G₁</u>	We think that G ₁₂ and G ₅ is a match because they both have the same ending point.
<u>G₄</u>	<u>G₇</u>	We think that these are matches they both start on the opposite and end in the opposite.
<u>G₁₁</u>	<u>G₈</u>	These are a match because they both start in the same convert.
<u>G₉</u>	<u>G₃</u>	These are a match because they both start in other direction. one is starting from opposite which is increasing.
<u>G₅</u>	<u>G₁₀</u>	These are a match because they both end and start in the same increase and decrease.

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____
<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____
<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____ 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	<ul style="list-style-type: none"> • G2 starts at 4 which is like the top container & it is going down from the top container. • G6 starts at 2 & is increasing b/c of the liquid being poured down from the top container.
G <u>5</u>	G <u>10</u>	<ul style="list-style-type: none"> • G5 starts at 6 cm & goes to zero in 3 seconds in the top container • G10 goes from zero to 6 in 3 seconds in the bottom container.
G <u>12</u>	G <u>1</u>	<ul style="list-style-type: none"> • G12 starts at 2 from the top container & goes down 2 cm. • G1 starts at 4 cm in the bottom container & you get to 2 from the top container to get 6.
G <u>9</u>	G <u>3</u>	<ul style="list-style-type: none"> • G9 goes down 2 cm in the top container while G3 starts at 4 cm & goes up 2 cm from the top container in 2 seconds.
G <u>4</u>	G <u>7</u>	<ul style="list-style-type: none"> • G4 starts at 6 cm in the top container & goes down in 6 seconds • G7 is to bottom container & it starts at zero & the liquid increases from zero to six in 6 seconds.
G <u>11</u>	G <u>8</u>	<ul style="list-style-type: none"> • G11 start at 4cm & decreases from the top container in 2 seconds. • G8 starts at 2cm & goes up 4cm in 2 seconds r.o.c. = $\frac{4 \text{ cm}}{2 \text{ sec.}}$

Matching Graphs, Prisms, & Equations (Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G_2 & G_6 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad}
<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<ul style="list-style-type: none"> • G_{\quad} & G_{\quad} 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations
(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
G <u>2</u>	G <u>6</u>	They are a match because it explains the proper height and seconds, if it increases or decreases.
G <u>5</u>	G <u>10</u>	They are a match because 6cm goes down to 0 in 3 seconds.
G <u>1</u>	G <u>12</u>	They are a match because they both go up by 6 and they go down by 6, They are found by 2 cm.
G <u>9</u>	G <u>3</u>	They are a matching because they go down by 2cm then raising up again by 2 seconds.
G <u>4</u>	G <u>7</u>	They are matching because they both go up by 6 cm starting by 0 and both go down by 0cm starting by 6 cm.
G <u>11</u>	G <u>8</u>	If goes down 4 it starts by 2.

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G <u>5</u> & G <u>10</u> <p style="margin-left: 20px;">They are mostly like the opposite because 6 cm goes up by 3 seconds while 6 cm decreases by 3 sec.</p>	<ul style="list-style-type: none"> • G <u>11</u> & G <u>8</u>
<ul style="list-style-type: none"> • G <u>4</u> & G <u>7</u> 	<ul style="list-style-type: none"> • G <u>12</u> & G <u>1</u> 	<ul style="list-style-type: none"> • G <u>9</u> & G <u>3</u>

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9:

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____
<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____ 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations
(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G₂</u>	<u>G₆</u>	G ₂ and G ₆ are a match because they both go down .5 seconds.
<u>G₁₀</u>	<u>G₅</u>	. G ₁₀ it increases 6cm in 3 seconds . G ₅ in 3 seconds it decreases 6 centimeters
<u>G₁₂</u>	<u>G₁</u>	. G ₁₂ goes down 2cm in 1 second . G ₁ starts at 4cm and ends at 1 second
<u>G₄</u>	<u>G₇</u>	They are a match because G ₄ decreases 6cm in 3 seconds and G ₇ increases 6cm in 3 seconds
<u>G₁₁</u>	<u>G₈</u>	They are a match because G ₁₁ decreases 2cm every 0.5 seconds and G ₈ increases 2cm every 0.5 seconds
<u>G₃</u>	<u>G₉</u>	They are a match because G ₃ increases 5cm in 1 sec and G ₉ decreases 2cm in 1 sec

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G <u>10</u> & G <u>1</u> 	<ul style="list-style-type: none"> • G <u> </u> & G <u> </u>
<ul style="list-style-type: none"> • G <u> </u> & G <u> </u> 	<ul style="list-style-type: none"> • G <u> </u> & G <u> </u> 	<ul style="list-style-type: none"> • G <u> </u> & G <u> </u>

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G <u>4</u> & G <u>7</u> 	<ul style="list-style-type: none"> • G <u>10</u> & G <u>5</u> <p>G10 goes up in 3 sec</p> <p>G5 goes down in 3 sec</p>	<ul style="list-style-type: none"> • G <u> </u> & G <u> </u>
<ul style="list-style-type: none"> • G <u> </u> & G <u> </u> 	<ul style="list-style-type: none"> • G <u> </u> & G <u> </u> 	<p>Extra Work Space</p>

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Name: _____

Graph of Top Prism	Graph of Bottom Prism	Justification
<u>G₂</u>	<u>G₆</u>	<ul style="list-style-type: none"> • G₂ decreases 4cm every 0.5 second • G₆ increases 4cm every 0.5 second
<u>G₁₀</u>	<u>G₅</u>	<ul style="list-style-type: none"> • G₁₀ it increases by 6cm in 3secs • G₅ in 3seconds it decreases 6cm
<u>G₁₂</u>	<u>G₁</u>	<ul style="list-style-type: none"> • G₁₂ it goes down 2cm in 1second. • G₁ starts at 4cm and ends at 1second
<u>G₄</u>	<u>G₇</u>	They are a match because G ₄ decreases 6cm in 3 seconds and G ₇ increases 6cm in 3seconds
<u>G₁₁</u>	<u>G₈</u>	They are a match because G ₁₁ decreases 2cm every 0.5 seconds and G ₈ increases 2cm every 0.5 seconds
<u>G₉</u>	<u>G₃</u>	They are a match because G ₉ increases 5cm in 1sec and G ₃ decreases 5cm in 1sec

Matching Graphs, Prisms, & Equations

(Recording Sheet and Gallery Walk Guide)

Matches that are similar and justifications that are different than our explanations.

<ul style="list-style-type: none"> • G <u>2</u> & G <u>6</u> 	<ul style="list-style-type: none"> • G <u>12</u> & G <u>1</u> <p style="margin-left: 20px;">goes <u>down</u> 2cm in 1sec G1 starts @ 4 and ends at 1sec.</p>	<ul style="list-style-type: none"> • G ____ & G ____
<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____

The following cards had missing information. How was the information that others added similar and/or different that your additions to G4, G8, & G9.

G4:

G8:

G9:

Matches that are different and explanations given by other teams.

<ul style="list-style-type: none"> • G <u>4</u> & G <u>7</u> 	<ul style="list-style-type: none"> • G <u>10</u> & G <u>5</u> <p style="margin-left: 20px;">G10 It goes up in 3secs G5 It goes down in 1/8secs</p>	<ul style="list-style-type: none"> • G ____ & G ____
<ul style="list-style-type: none"> • G ____ & G ____ 	<ul style="list-style-type: none"> • G ____ & G ____ 	<p>Extra Work Space</p>