

PATTY FERRANT: So I want to take a few minutes just to address a few issues that came up and then I have a challenge for you. This is a strategy that I think every single student used in this classroom. So this is exactly what you saw and then this is what I'm asking first -- which is the least expensive plan? So looking at that, Student A thinks it's Plan C, and Student B thinks it's Plan A. I want to know who you agree with and why, and I want you to tell me how can you use that strategy to prove it. So think in your head for one minute, who do you agree with and why, and then how do you use the strategy to prove it? I need a thumbs up when you know who you agree with and why. I want you to start talking to your group. Which is the least expensive? Who do you agree with and why? How do you know using the strategies? Start talking.

STUDENT: Student A because they think Plan C is lower on the  $x$ -axis and the A.

STUDENT: Student B because Plan A is closer on the  $y$ ...on the  $x$ -axis towards the origin, and B is further along the right on the  $x$ -axis on the...from the origin. And yeah, that's why I think it's B.

STUDENT: So it's Plan A because it's further to the left of the  $x$ -axis.

STUDENT: [Inaudible] to the origin and it's lower down the  $y$ -axis, I think. I don't know how to explain it.

STUDENT: So you think it's because of the  $y$ -axis it's from the lowest?

STUDENT: Um, yeah. And it's in the negative side of the  $x$ -axis. But it's more to the negative, not the right.

STUDENT: But the  $y$ -axis is the monthly minutes while the...

PATTY FERRANT: My seating chart is all messed up. I need to try to fix it for tomorrow so I'm just going to call on somebody. I'll call on Alex. Who do you agree with and why? Plan A. Tell me how you know. You need to explain the plan using the strategy. So we are all listening, we're trying to make sense of what he says, and see if we agree or disagree, or if we can add on. Go for it, Alex!

STUDENT: It's closer to the  $y$ -axis.

PATTY FERRANT: Can't hear.

STUDENT: It's closer to the  $y$ -axis.

PATTY FERRANT: It's closer to the  $y$ -axis. Add on, go ahead, anyone.

STUDENT: When you draw a vertical line from the point to the  $x$ -axis it's closest to the origin, I mean it's closer to the origin than Plan C.

PATTY FERRANT: Which axis are you talking about?

STUDENT:  $x$ .

PATTY FERRANT: Everyone talk to your partner again. Restate what Aaliyah had said.

STUDENT: The point A is closer on the  $x$ -axis to the origin.