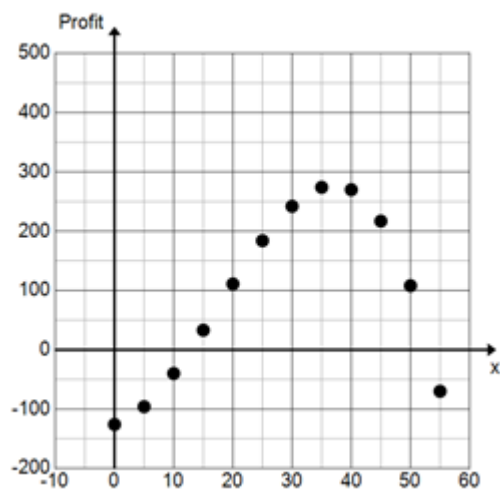


Name: _____

Period: _____

Exit Ticket

For a fundraiser, members of the math club decide to make and sell t-shirts. They are trying to decide how many t-shirts to make and sell at a fixed price. They surveyed the level of interest of students around school and made a scatterplot of the number of t-shirts sold (x) versus profit shown below.



1. Identify the y-intercept. Interpret its meaning within the context of this problem.
2. If we model this data with a function, what point on the graph of that function represents the number of t-shirts they need to sell in order to break even? Why?
3. What is the smallest number of t-shirts they can sell and still make a profit?
4. How many t-shirts should they sell in order to maximize the profit?
5. What is the maximum profit?

Name: _____

Period: _____

Name: _____

Period: _____

Cut Size	Length	Width	Height	Volume