Topic 12: A.REI 10 Exit Slip

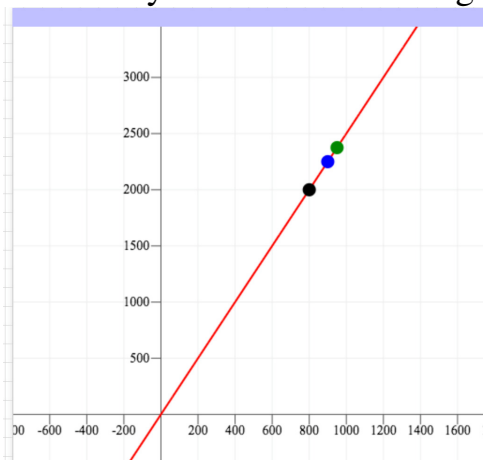
Name_____ Period _____ Date_____

1. Ruth is collecting information on school lunches. The table shows her data.

# of lunches	Total Cost
900	$2250
950	$2375
800	$2000

Let x be the number of lunches and y be the total cost. The ordered pairs (x,y) from the table are graphed below; they lie on a line.

How can you tell this without graphing the points?



The linear equation is y = 2.50x + 0
What do the 2.50 and the 0 in the equation represent in terms of school lunches?

2. The cost of a house begins at $300,000 and increases an average of 10% per year. The average San Diegan can afford a house priced at $400,000 or below. In how many years will the cost of the house exceed the amount the average San Diegan can afford? Explain your reasoning.