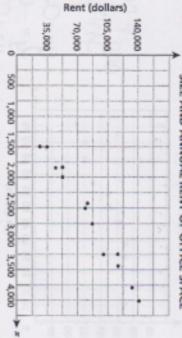
downtown area of a city. The scatter plot shows the sizes and annual rents of some office spaces in the





Office Space (square feet)

There is a strong negative relationship between the cost of rent and the size of the office space.

What would the line of best fit reveal about these data?

- office space. There is a strong positive relationship between the cost of rent and the size of the
- office space. There is a weak positive relationship between the cost of rent and the size of the
- There is a weak negative relationship between the cost of rent and the size of the office space.

QUESTION #40

Which function has a greater slope and a greater y-intercept than the linear function represented in the table?

The table below represents a linear function

22				
5	w	_	7	H
17	13	9	51	y
アナス	人士	久	7+4	0

y-10x+5,6 straller y = 5x + 65 smaller

m=4-1m=2 9=(2)(1)+b [y=ax+7 4+ XM=N

B) Slope 3 gallons l'agree

galluns for

every I degree

8TH GRADE MATHEMATICS TEST PREF

QUESTION #41

players consume throughout practice. The trainer observes that the amount of A trainer for a professional football team keeps track of the amount of water water consumed is a linear function of the temperature on a given day. The water, and when it is 76°F the players consume about 178 gallons of water. trainer finds that when it is 90°F the players consume about 220 gallons of

Part A: Write a linear function to model the relationship between the gallons of water consumed and the temperature.

Part B: Explain the meaning of the slope in the context of the problem.

中(90,220)

221 = (3)(90)+6 4+ XM=N water consumption