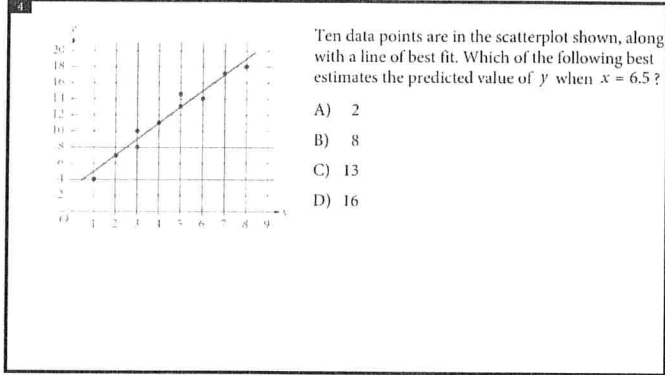
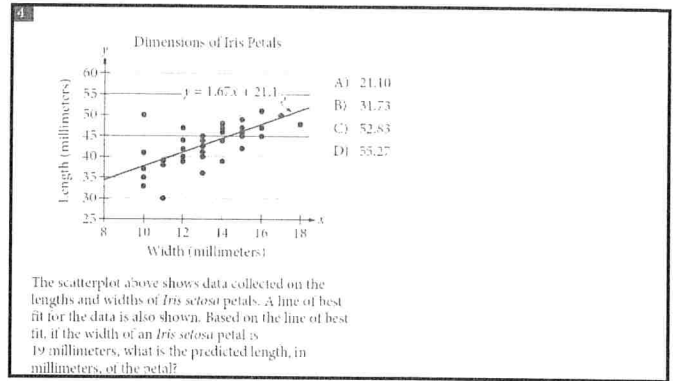


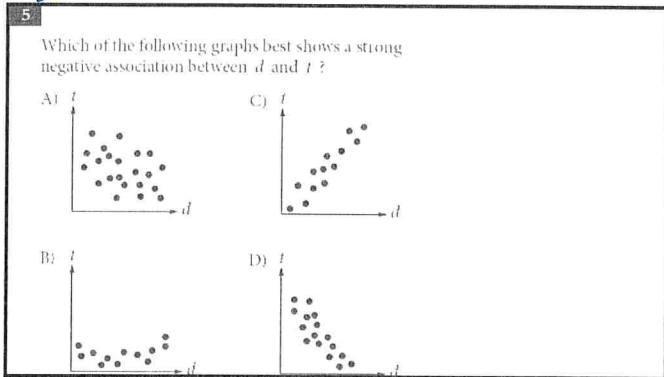
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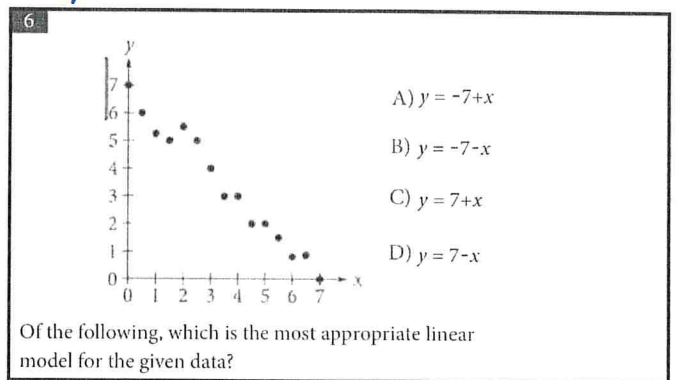
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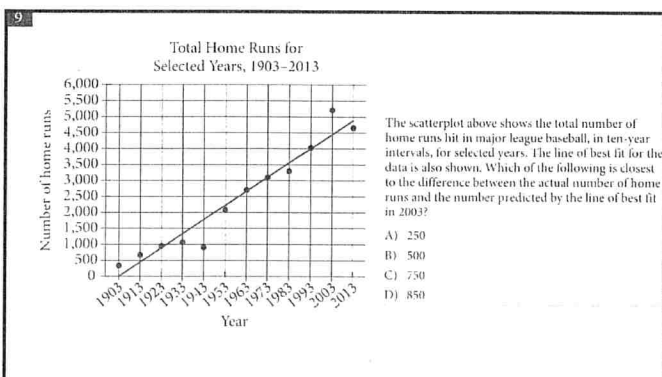
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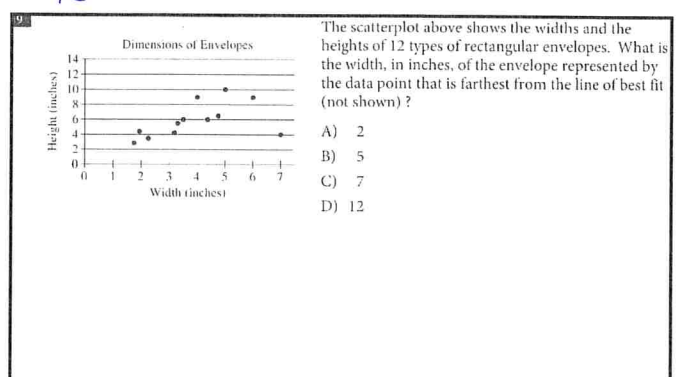
4



5



6



7

10

A) $y=6-x$
 B) $y=6+x$
 C) $y=-6-x$
 D) $y=-6+x$

Which of the following linear equations is the most appropriate model for the data shown in the scatterplot?

8

11

The scatterplot shows the relationship between two variables, x and y .

A) $y = -7 + 30x$
 B) $y = 7 - 30x$
 C) $y = 30 + 7x$
 D) $y = 30 - 7x$

Which of the following equations is the most appropriate linear model for the data shown?

9

The scatterplot shows 10 values from a data set. Which of the following equations is the most appropriate linear model for the data shown?

A) $y=9+\frac{3}{10}x$
 B) $y=9-\frac{3}{10}x$
 C) $y=\frac{6}{5}x$
 D) $y=\frac{3}{8}x$

12

10

14

Miles Traveled by Air Passengers in Country X, 1960 to 2005

According to the line of best fit in the scatterplot above, which of the following best approximates the year in which the number of miles traveled by air passengers in Country X was estimated to be 550 billion?

A) 1997 C) 2003
 B) 2000 D) 2008

11

15

A) 1
 B) 2
 C) 3
 D) 4

The scatterplot shows the relationship between two variables, x and y . A line of best fit is also shown. For how many of the data points is the actual y -value at least 1 greater than the y -value predicted by the line of best fit?

12

15

A) $y = 0.82x + 3.30$
 B) $y = 0.82x - 0.82$
 C) $y = 3.30x + 0.82$
 D) $y = 3.30x - 3.30$

Each dot in the scatterplot above represents the height x , in feet, in the high jump, and the distance y , in feet, in the long jump, made by each student in a group of twenty students. The graph of which of the following equations is a line that most closely fits the data?

1 D 3 D 5 C 7 A 9 A 11 B
 2 C 4 D 6 C 8 D 10 C 12 C