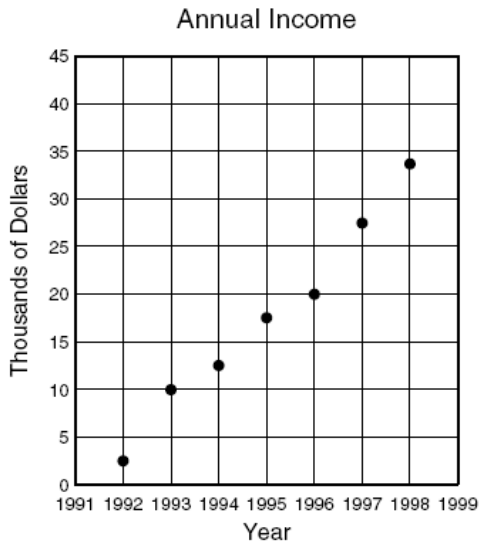


**A.16**

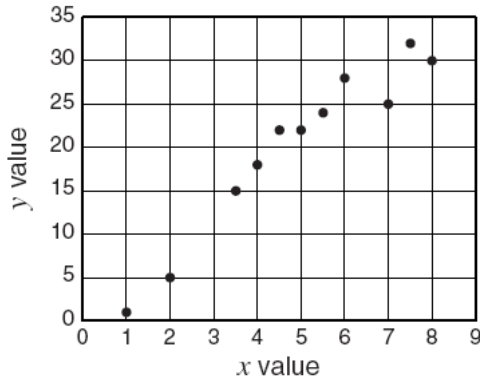
1.



Using the data plotted on the scatterplot, which is the *best* prediction for income in the year 2000?

- F 35,000
- G 43,000
- H 50,000
- J 57,000

2.

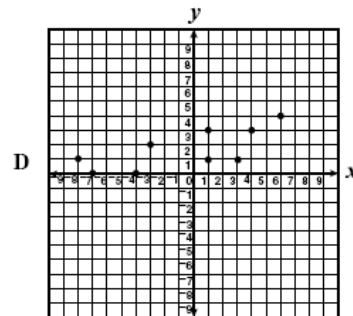
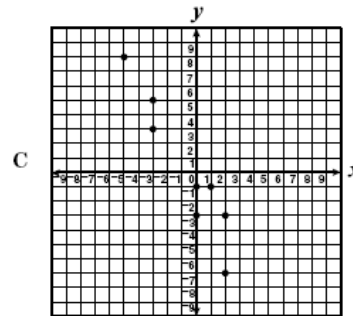
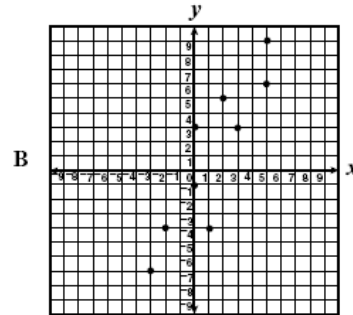
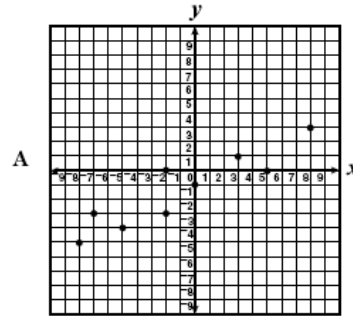


Based on the scatter plot, which *x* value would best match *y* = 12?

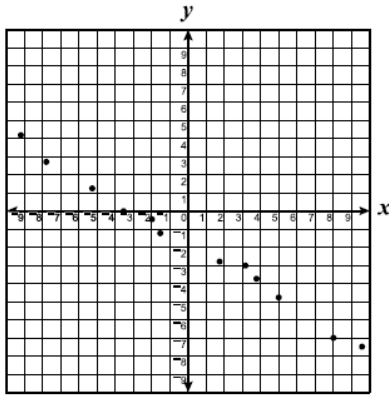
- A 3
- B 4
- C 48
- D 56

3.

Using the median fit method, which scatterplot most likely has a line of best fit represented by  $y = 2x - 1$ ?



4.



Which equation best represents the data shown on the scatterplot?

F  $y = -\frac{3}{5}x - 2$

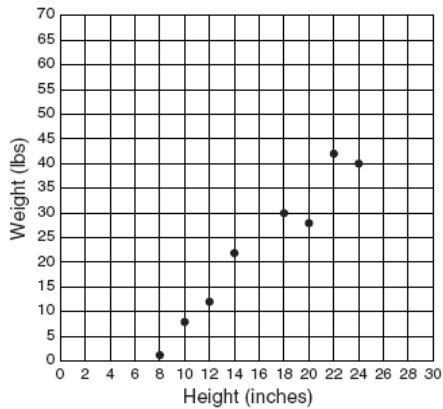
G  $y = \frac{x}{2} + 2$

H  $y = -\frac{3}{5}x$

J  $y = \frac{3}{5}x + \frac{10}{3}$

5.

Connie made a scatterplot comparing the shoulder heights of her friends' dogs to their weights. Connie's dog stands 28 inches to his shoulder.



Using a line of best fit for the plot, which is the best prediction for her dog's weight?

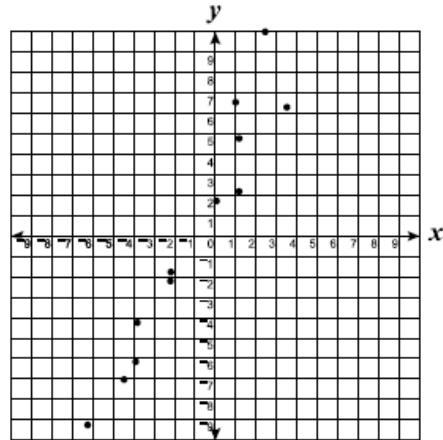
F 40 pounds

G 55 pounds

H 65 pounds

J 70 pounds

6.



Which equation best represents the data shown in the scatterplot?

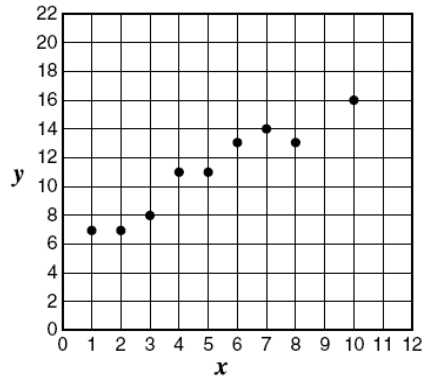
F  $y = 2x - 2$

G  $y = \frac{x}{2} - 2$

H  $y = 2x + 2$

J  $y = x - 1$

7.



Using the data plotted on the scatterplot, which equation most closely describes a line of best fit for the data?

F  $y = x + 6$

G  $y = 2x - 4$

H  $y = 2x + 5$

J  $y = 3x - 4$

