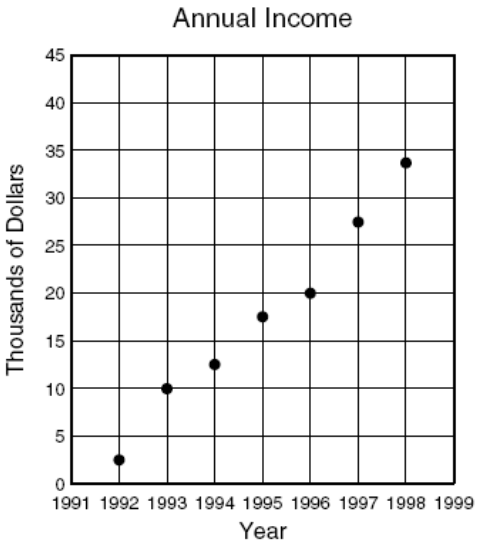
Name_____ Date_____ Block___

A.16

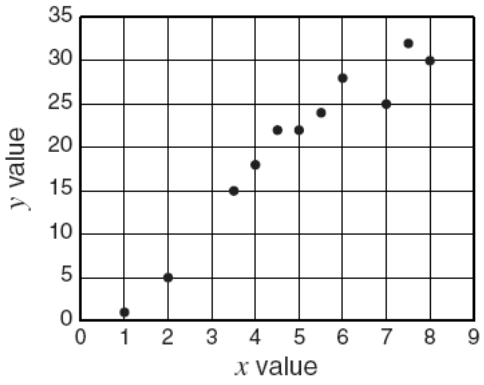
1.



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.



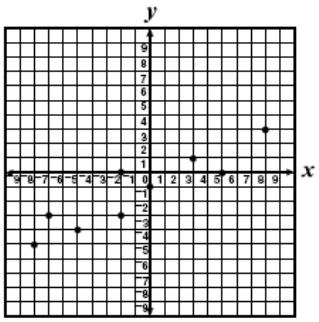
Based on the scatter plot, which x value would best match $y = 12$?

A 3
B 4
C 48
D 56

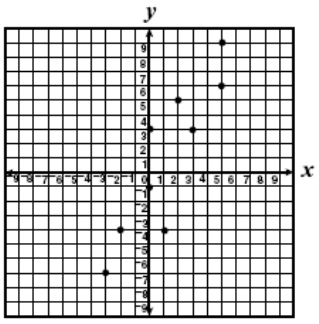
3.

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

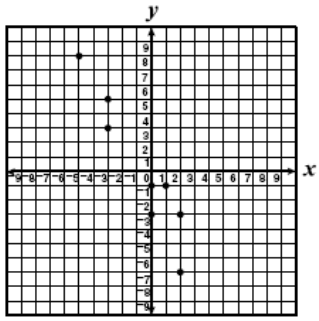
A



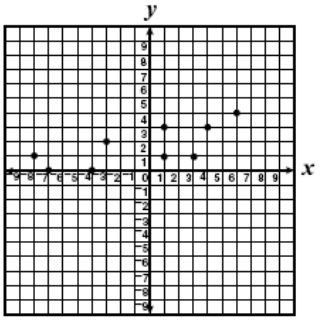
B



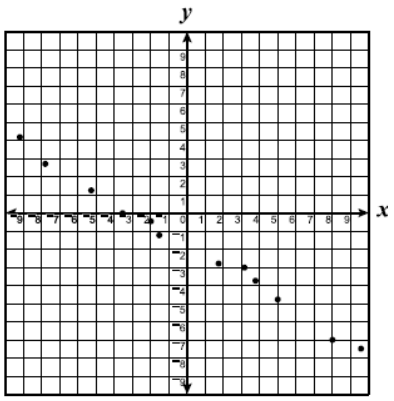
C



D



4.



Which equation best represents th data shown on the scatterplot?

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

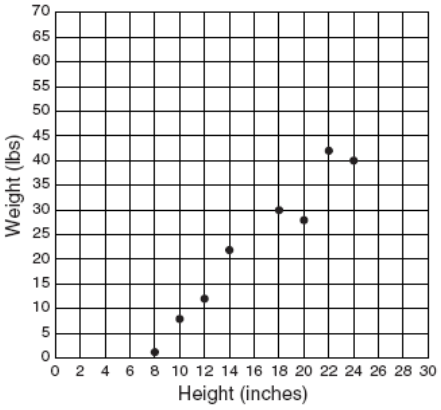
G $y = \frac{x}{2} + 2$

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

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

5.

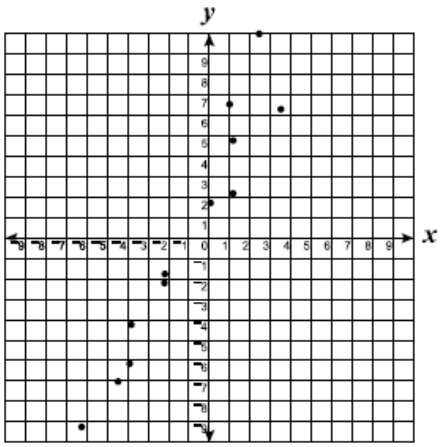
Connie made a scatterplot comparing the shoulder heights of her friends' dogs to their weights. Connie's dog stands 28 inches to his shoulder.



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?

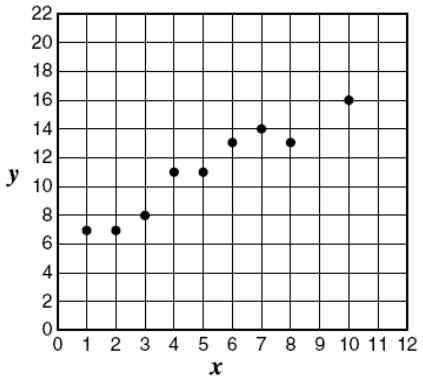
F $y = 2x - 2$

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 $y = 3x - 4$