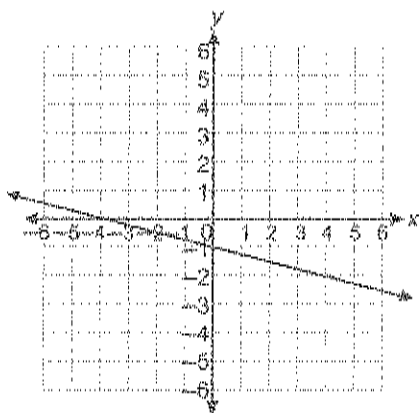


## Segment 2

You may use a calculator on this segment.

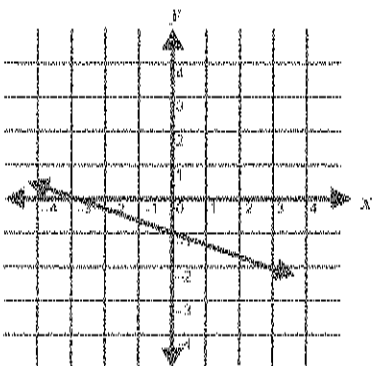
13. Which of the following is the equation of a line parallel to the line on the graph below that passes through the point (4, 2)?



- (A)  $y = 4x + 4$
- (B)  $y = -\frac{1}{4}x + 4$
- (C)  $y = -\frac{1}{4}x + 3$
- (D)  $y = 4x + 3$

8.3.2.3

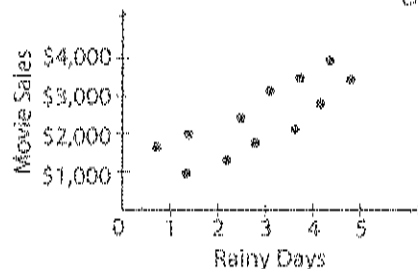
14. Which of the following is the equation of a line perpendicular to the line on the graph below that passes through the point (1, 2)?



- (A)  $x = 3y + 3$
- (B)  $-3x = y + 1$
- (C)  $y = 3x - 1$
- (D)  $3x - y - 1 = 0$

8.3.2.3

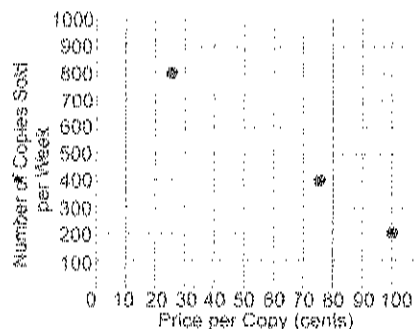
15. Malai drew a scatter plot to determine the relationship between rainy days and movie sales. He should conclude that generally . . .



- (A) movie sales decrease as rainy days increase.
- (B) rainy days do not affect movie sales.
- (C) for every rainy day listed, movie sales doubled.
- (D) movie sales increase as rainy days increase.

8.4.1.1

16. Mario and George have been publishing a weekly newspaper. They have sold copies at various prices, \$0.25, \$0.75, and \$1.00 as shown in the graph.



They have made a business deal with a printing company for 600 copies per week. At what price per copy are they likely to sell 600 copies?

- (A) \$0.30
- (B) \$0.40
- (C) \$0.50
- (D) \$0.60

8.4.1.2