

Independent Practice

Equations and Inequalities A.6, A.7d

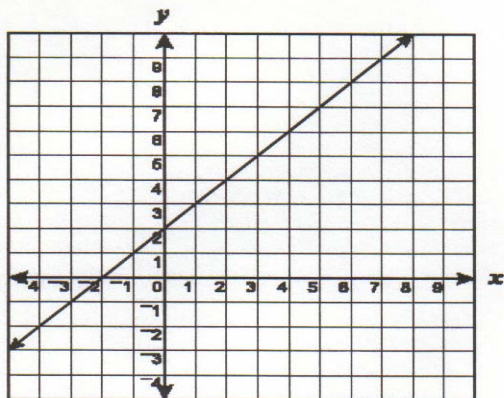
Read and solve.

1. Which is an equation of a line that has a slope of $-\frac{1}{2}$ and contains the point $(2, 3)$?

- A. $y = 2x - \frac{1}{2}$
- B. $y = -\frac{x}{2} + 4$
- C. $y = \frac{x}{2} + 3$
- D. $y = 3x + 2$

2.

Which equation is represented by this line?



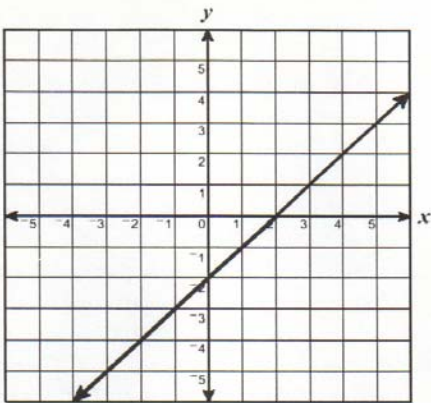
- F $y = x - 2$
- G $y = \frac{x}{2} + 2$
- H $y = x + 2$
- J $y = 2x + 2$

3. Which is an equation for the line that passes through $(0, 2)$ and $(-2, 0)$?

- A. $y = -x$
- B. $y = x + 2$
- C. $y = -x - 2$
- D. $y = x - 2$

Independent Practice—continued

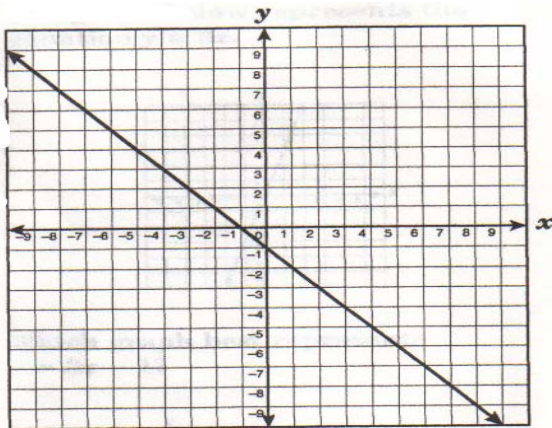
4.



Which is most likely an equation for the line shown?

- F $y = -x$
- G $y = x - 2$
- H $y = -x + 4$
- J $y = 2x - 2$

5.



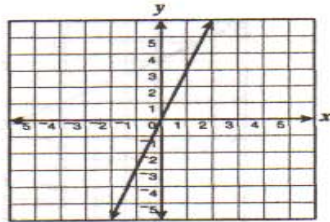
The line on the grid is best described by the equation —

- A $y = x + 1$
- B $y = x - 1$
- C $y = -x + 1$
- D $y = -x - 1$

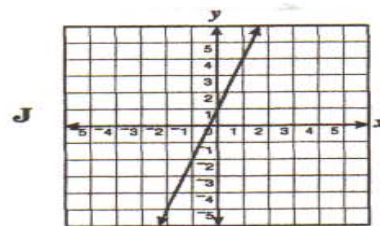
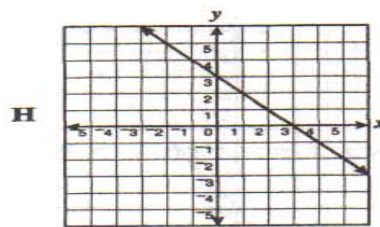
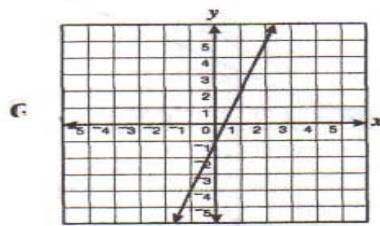
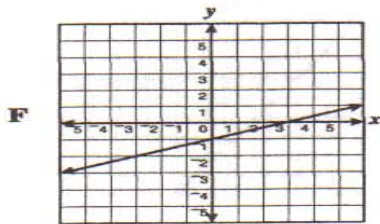
Independent Practice—continued

6.

The graph below represents the equation $y = 3x$.



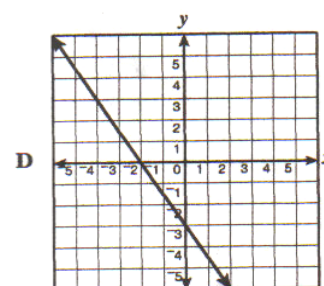
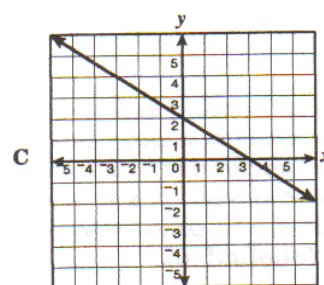
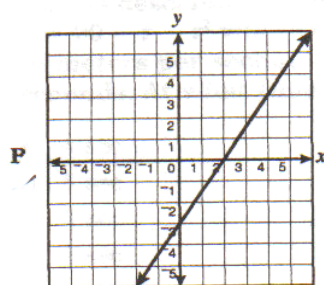
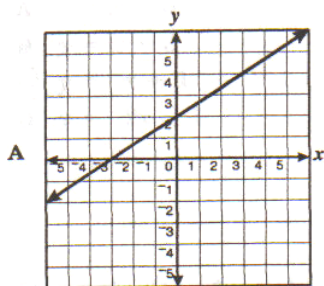
Which graph best represents $y = 3x - 1$?



Independent Practice—continued

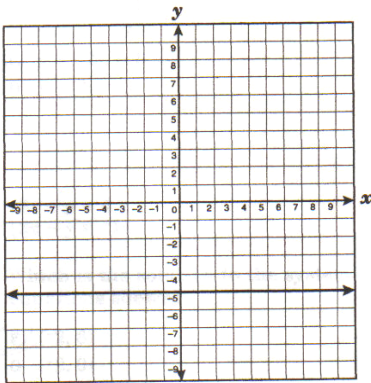
7.

Which line has y -intercept -3 and x -intercept 2 ?



Independent Practice—continued

8.



Which equation best describes this graph?

- F. $x = 5y$
- G. $x = -5$
- H. $y = -5x$
- J. $y = -5$

9. A line has a slope of -2 and contains the point (1, -1). Which is an equation of this line?

- A. $y = -2x - 1$
- B. $y = -x + 2$
- C. $y = -2x + 1$
- D. $y = 2x - 3$

10. Which is an equation for the line that contains the points (-2, 3) and (2, -1)?

- F. $y = x + 5$
- G. $y = x - 3$
- H. $y = -x + 1$
- J. $y = -2x - 1$