Independent Practice **Equations and Inequalities A.8**

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)?

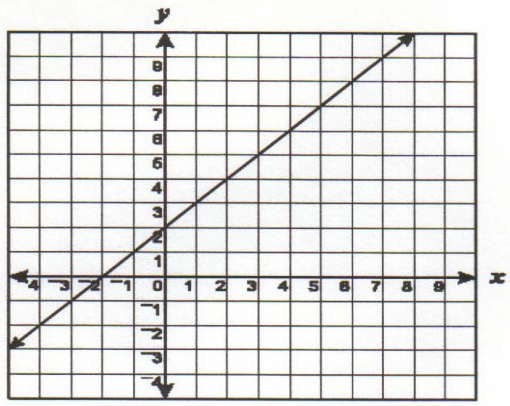
   A. $y = 2x - \frac{1}{2}$

   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. $y = -x$

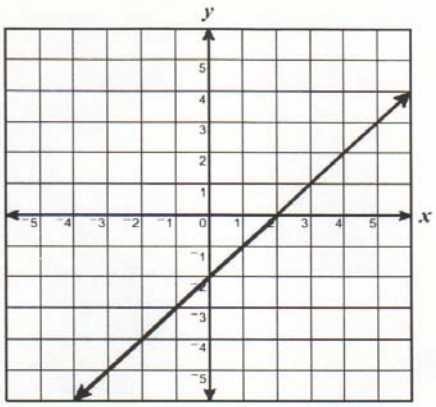
   B. $y = x + 2$

   C. $y = -x - 2$

   D. $y = x - 2$

Independent Practice—continued

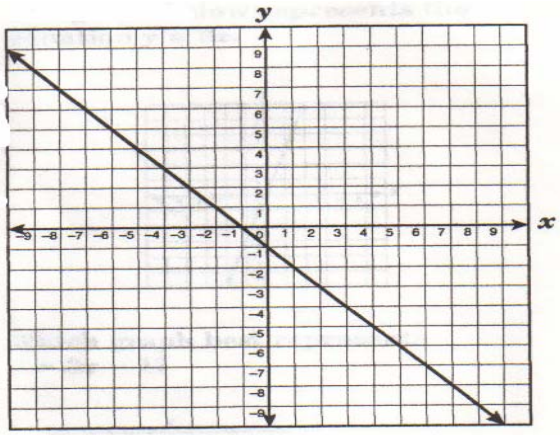
4.



Which is most likely an equation for the line shown?

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

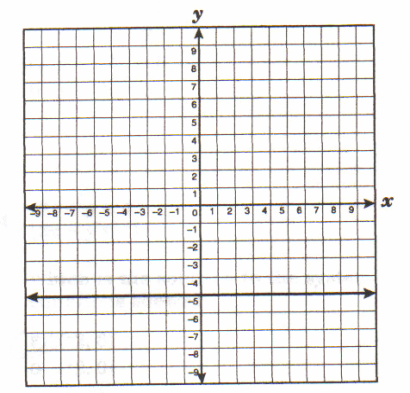
5.



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

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

6.



Which equation best describes this graph?

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

7. 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

8. 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