

CHAPTER
3

Section Quiz

Lessons 3-5 Through 3-6 |

Choose the best answer.

1. What is the slope of the line that passes through (4, 0) and (8, -1)?

A -4 C -12
 B $-\frac{1}{4}$ D $-\frac{1}{12}$

2. What is the slope of the line that passes through (-6, -4) and (9, -19)?

F $-\frac{2}{23}$ H -1
 G $-\frac{23}{3}$ J -5

3. The slope of a line is $-\frac{4}{5}$. What is the slope of a line that is perpendicular to it?

A $-\frac{4}{5}$ C $\frac{4}{5}$
 B $-\frac{5}{4}$ D $\frac{5}{4}$

4. What is the slope of a line parallel to the line that passes through (4, -3) and (3, -1)?

F $\frac{1}{2}$ H $-\frac{1}{2}$
 G 2 J -2

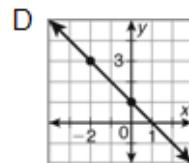
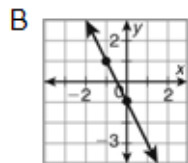
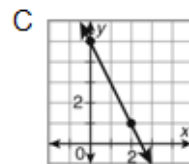
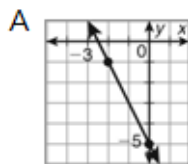
5. Which is the equation for the line having slope -6 that passes through (5, -5)?

A $y = -6x$
 B $y = -6x - 5$
 C $y + 5 = -6(x - 5)$
 D $y + 5 = -6(x + 5)$

6. Which is the equation for the line that passes through (-4, -3) and (-2, 3)?

F $y = 3x + 15$ H $y = -3x - 15$
 G $y = 3x + 9$ J $y = -3x - 9$

7. Which is the graph of $y - 1 = -2(x + 3)$?



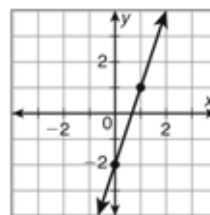
8. Which equation represents the graph of the line that coincides with the graph of $y = -\frac{3}{2}x + 9$?

F $6x + 4y = 36$ H $y + 9 = \frac{3}{2}x$
 G $y - 3 = -9(x + 2)$ J $2x - 3y = 9$

9. The graph of which line intersects the graph of $y + 10 = -5(x - 1)$ in only one point?

A $y + 10 = 5(x - 1)$
 B $y = -5(x - 2)$
 C $5x + y = -5$
 D $y = 5(-x + 5)$

10. The graph of which equation is parallel to the line in the graph?



F $3x - y = 2$
 G $y - 1 = -3(x - 1)$
 H $y = 3x$
 J $y = -2x + 3$