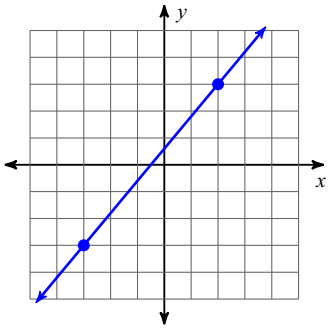
Geometry Name_____

3.3-3.4 Quiz Review: Slope and equations of lines

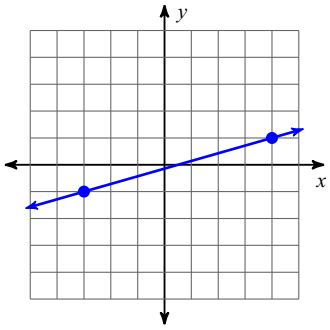
Period____

Find the slope of each line.

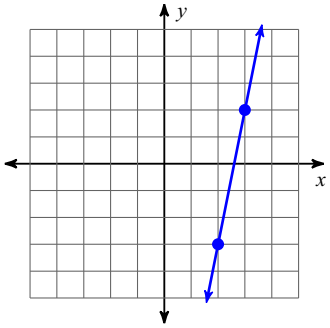
1)



2)



3)



Find the slope of the line through each pair of points.

4) $(-2, 8), (20, 8)$

5) $(12, 15), (-4, 1)$

Find the slope of each line.

6) $y = \frac{4}{3}x - 3$

7) $y = \frac{3}{2}x$

Find the slope of a line parallel to each given line.

8) $y = \frac{2}{5}x - 5$

9) $y = \frac{1}{2}x + 5$

10) $y = \frac{5}{3}x + 4$

11) $y = -\frac{3}{5}x + 1$

Find the slope of a line perpendicular to each given line.

12) $y = -2x + 4$

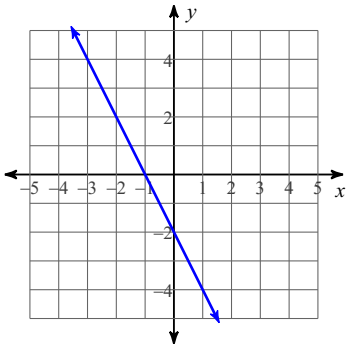
13) $y = x + 1$

14) $y = 2x + 3$

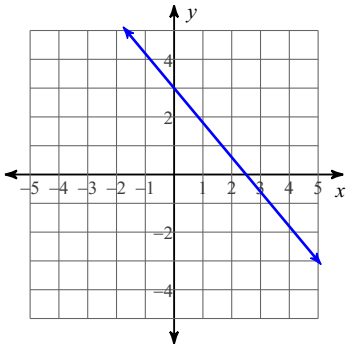
15) $y = -7x - 3$

Write the slope-intercept form of the equation of each line.

16)



17)



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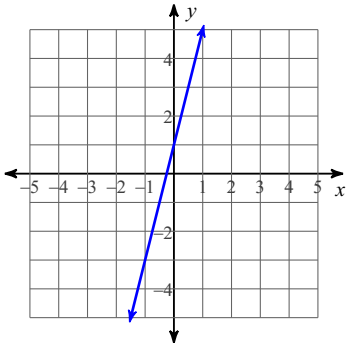

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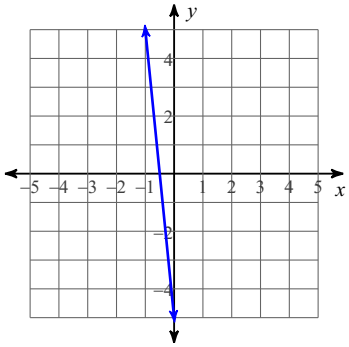

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

20) Slope = -1, y-intercept = 0

21) Slope = $-\frac{1}{4}$, y-intercept = 3

Write the slope-intercept form of the equation of the line through the given points.

22) through: $(-5, 2)$ and $(-2, 5)$

23) through: $(-3, -4)$ and $(0, -5)$

Write the slope-intercept form of the equation of the line described.

24) through: $(-4, -5)$, parallel to $y = \frac{5}{2}x + 2$

25) through: $(-1, 0)$, parallel to $y = 4x - 2$

26) through: $(-1, -3)$, perp. to $y = \frac{1}{2}x - 4$

27) through: $(-3, 5)$, perp. to $y = \frac{1}{2}x + 1$