Math 1 Name_____

Quiz 2.1-2.2 Rate of Change and Slope Intercept Form PRACTICE Period____

Find the slope of the line through each pair of points. (2 pt each)

1) $(6, -5), (14, 20)$

2) $(2, -3), (10, -13)$

Find the slope of each line. (1 pt each)

3) $y = -4x + 4$

4) $y = \frac{7}{5}x + 2$

Find the value of x or y so that the line through the points has the given slope. (1 pt each)

5) $(x, -3)$ and $(-4, -7)$; slope: -1

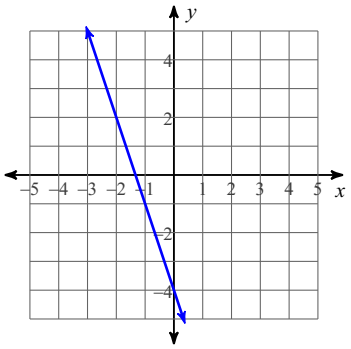
6) $(7, y)$ and $(8, 4)$; slope: 10

Write the slope-intercept form of the equation of each line given the slope and y-intercept. (2 pt)

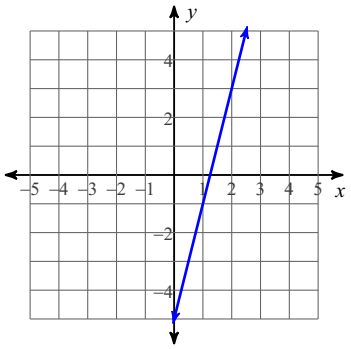
7) Slope $= -\frac{4}{3}$, y-intercept $= -1$

Write the slope-intercept form of the equation of each line. (2 pt each)

8)



9)



Write the slope-intercept form of the equation of the line through the given points. (2 pt)

10) through: $(-1, 1)$ and $(-2, -3)$

Write the slope-intercept form of the equation of the line through the given point with the given slope. (2 pt)

11) through: $(-1, -1)$, slope $= -4$

Math 1 Name_____

Quiz 2.1-2.2 Rate of Change and Slope Intercept Form PRACTICE

Period____

Find the slope of the line through each pair of points. (2 pt each)

1) $(6, -5), (14, 20)$

$\frac{25}{8}$

2) $(2, -3), (10, -13)$

$-\frac{5}{4}$

Find the slope of each line. (1 pt each)

3) $y = -4x + 4$

-4

4) $y = \frac{7}{5}x + 2$

$\frac{7}{5}$

Find the value of x or y so that the line through the points has the given slope. (1 pt each)

5) $(x, -3)$ and $(-4, -7)$; slope: -1

-8

6) $(7, y)$ and $(8, 4)$; slope: 10

-6

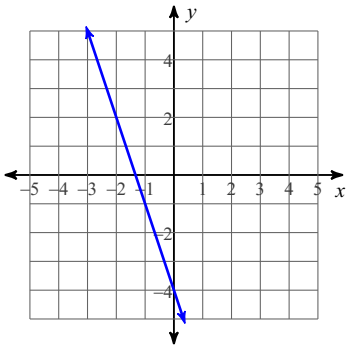
Write the slope-intercept form of the equation of each line given the slope and y-intercept. (2 pt)

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

$y = -\frac{4}{3}x - 1$

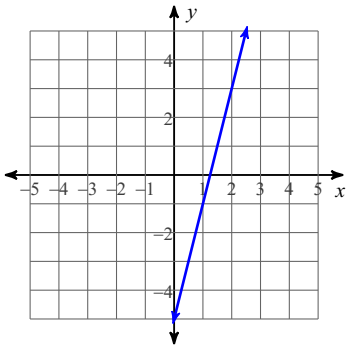
Write the slope-intercept form of the equation of each line. (2 pt each)

8)



$y = -3x - 4$

9)



$y = 4x - 5$

Write the slope-intercept form of the equation of the line through the given points. (2 pt)

10) through: $(-1, 1)$ and $(-2, -3)$

$y = 4x + 5$

Write the slope-intercept form of the equation of the line through the given point with the given slope. (2 pt)

11) through: $(-1, -1)$, slope $= -4$

$y = -4x - 5$