Algebra 1 Name_____ ID: 1

Practice Parallel and Perpendicular

Date_____ Period____

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

1) through: $(-4, -3)$, parallel to $y = 2x + 3$

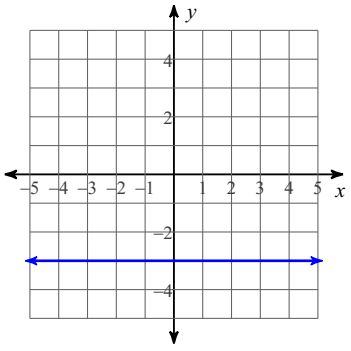
2) through: $(-2, -3)$, parallel to $y = \frac{7}{2}x - 4$

3) through: $(-4, 5)$, perp. to $x = 0$

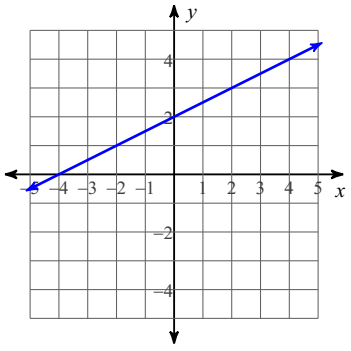
4) through: $(1, -1)$, perp. to $y = \frac{1}{2}x - 4$

Write the standard form of the equation of each line.

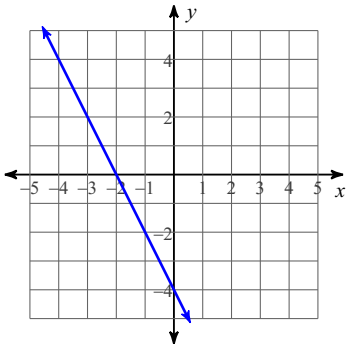
5)



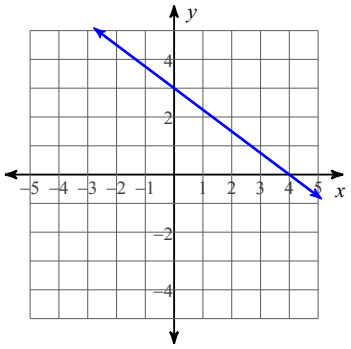
6)



7)



8)



Write the standard form of the equation of the line through the given points.

9) through: $(-1, 3)$ and $(4, 5)$

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

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

11) through: $(-3, -2)$ and $(-4, 5)$

12) through: $(5, 4)$ and $(-5, 0)$

Answers to Practice Parallel and Perpendicular (ID: 1)

1) $y = 2x + 5$

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

3) $y = 5$

4) $y = -2x + 1$

5) $y = -3$

6) $x - 2y = -4$

7) $2x + y = -4$

8) $3x + 4y = 12$

9) $2x - 5y = -17$

10) $x - 2y = -3$

11) $y = -7x - 23$

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