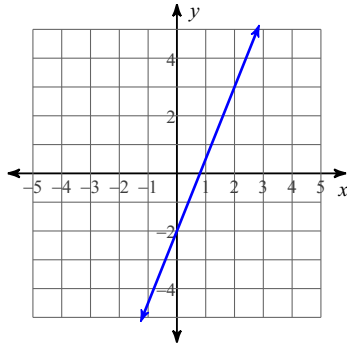


5.3 Worksheet

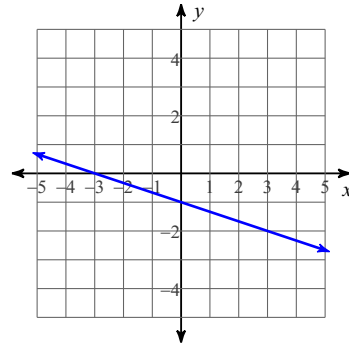
Date _____ Period _____

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

1)



2)

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

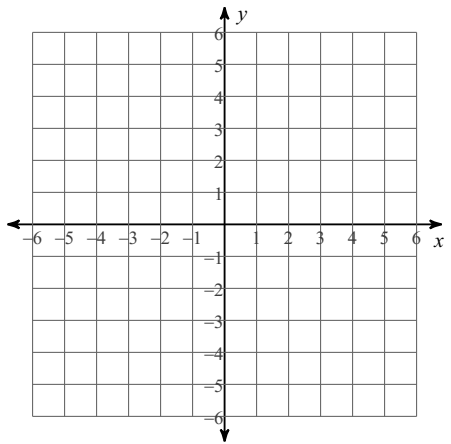
3) Slope = 9, y-intercept = 4

4) Slope = 5, y-intercept = -4

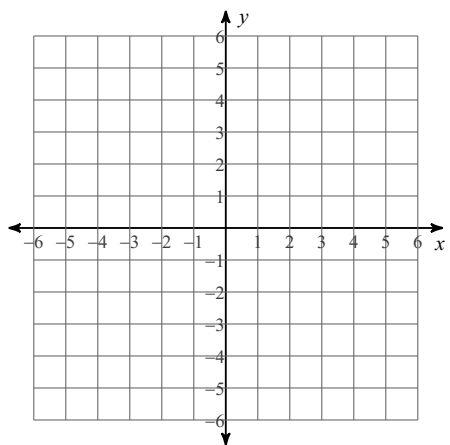
5) Slope = $-\frac{5}{2}$, y-intercept = -46) Slope = $-\frac{1}{2}$, y-intercept = 3**Write the slope-intercept form of the equation of the line through the given points.**7) through: $(-3, 4)$ and $(0, -5)$ 8) through: $(0, 1)$ and $(2, 2)$ 9) through: $(0, -4)$ and $(1, -1)$ 10) through: $(-5, 4)$ and $(-4, 1)$

Sketch the graph of each line.

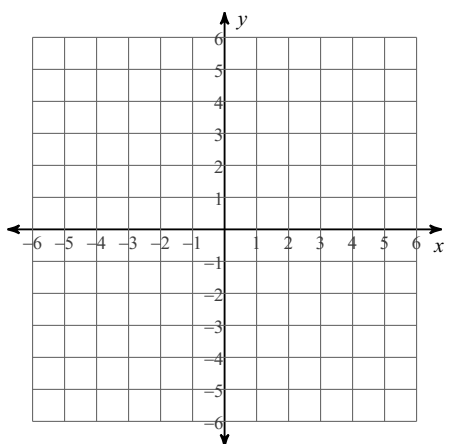
11) $y = 4x + 2$



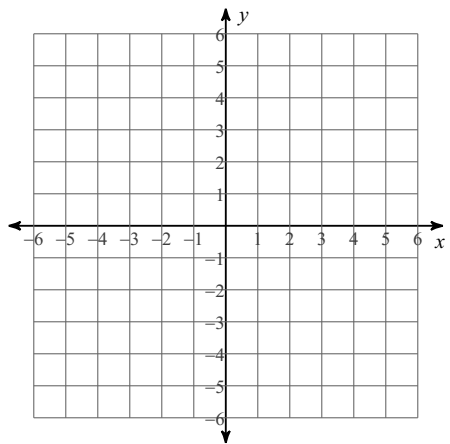
12) $y = \frac{5}{3}x - 1$



13) $y = -\frac{1}{2}x$



14) $y = -2x - 3$



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

15) $y + 4 = -3(x - 5)$

16) $y - 5 = 3(x - 3)$

17) $y - 4 = \frac{3}{2}x$

18) $y + 5 = 2(x + 4)$

Answers to 5.3 Worksheet (ID: 1)

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

2) $y = -\frac{1}{3}x - 1$

3) $y = 9x + 4$

4) $y = 5x - 4$

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

6) $y = -\frac{1}{2}x + 3$

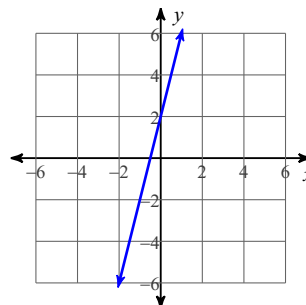
7) $y = -3x - 5$

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

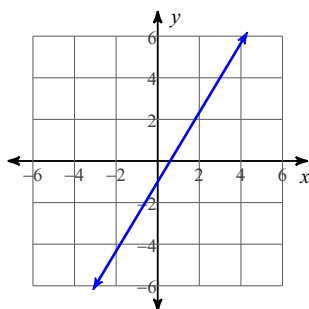
9) $y = 3x - 4$

10) $y = -3x - 11$

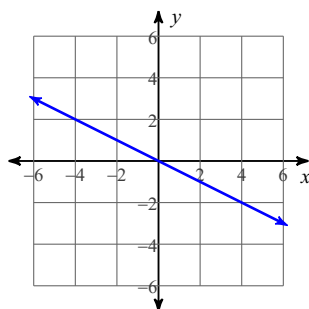
11)



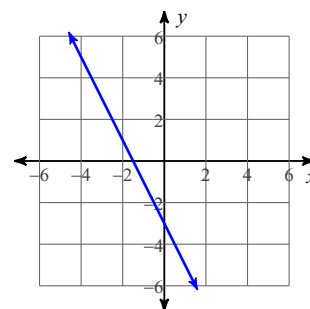
12)



13)



14)



15) $y = -3x + 11$

16) $y = 3x - 4$

17) $y = \frac{3}{2}x + 4$

18) $y = 2x + 3$