

HW 3.5

Date _____ Algebra _____

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

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

2) through: $(2, -5)$, parallel to $y = -3x + 5$

3) through: $(4, -2)$, perp. to $y = x + 3$

4) through: $(5, -1)$, perp. to $y = \frac{5}{4}x + 3$

5) through: $(-5, -1)$, slope $= -\frac{1}{5}$

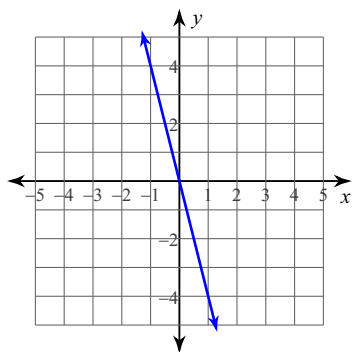
6) through: $(-2, 5)$ and $(-4, -5)$

7) through: $(2, -5)$, slope = undefined

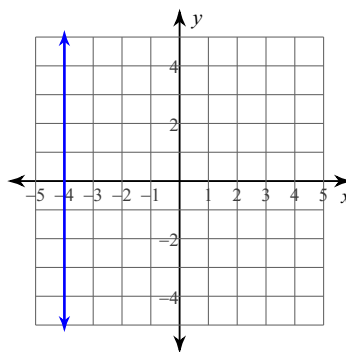
8) through: $(3, -2)$ and $(0, 5)$

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

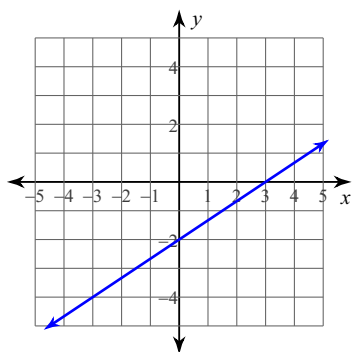
9)



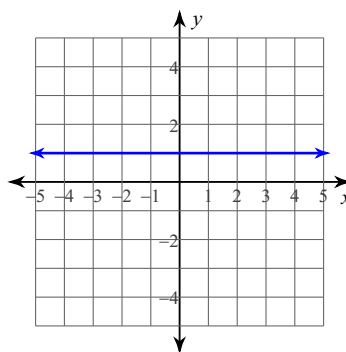
10)



11)

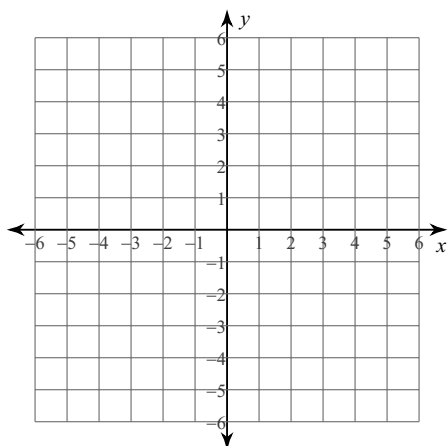


12)



Sketch the graph of each line.

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



14) $-4x = 3 - 3y$

