

HW 3.4

Date _____ Algebra _____

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

1) through: $(4, 1)$, slope $= \frac{1}{4}$

2) through: $(5, -2)$, slope $= -\frac{2}{5}$

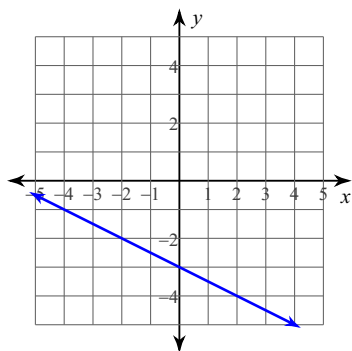
Write the slope-intercept form of the equation of the line through the given points.

3) through: $(4, 1)$ and $(0, -5)$

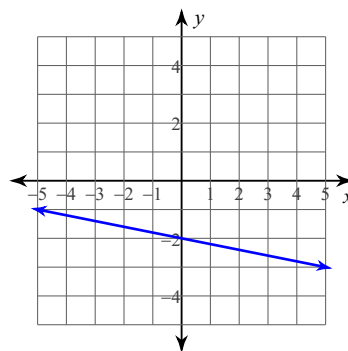
4) through: $(4, 1)$ and $(0, 4)$

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

5)



6)



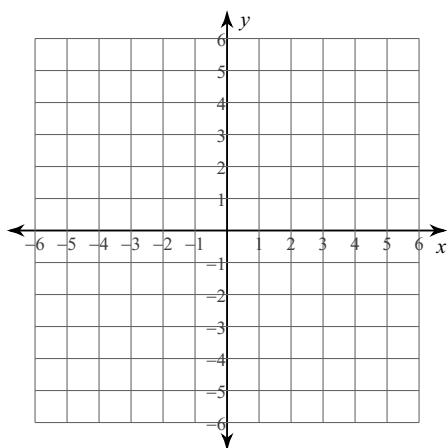
Write the equation of each line in FUNCTION NOTATION!

7) $t(x)$: through: $(-3, -2)$, slope = undefined

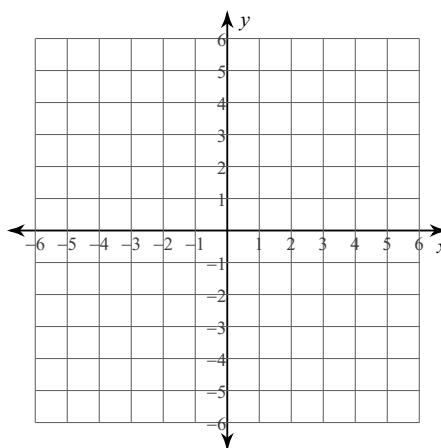
8) $a(x)$ through: $(0, -2)$ and $(-3, 2)$

Sketch the graph of each line.

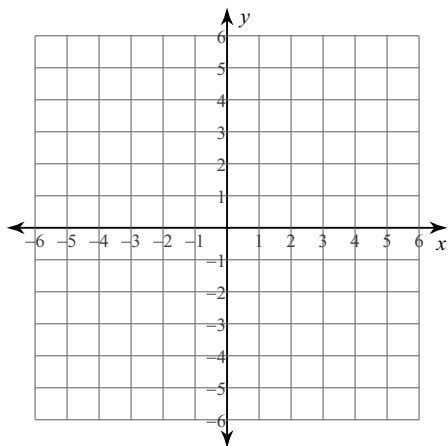
9) $y = -2x + 1$



10) $x = 3$



11) $y = -1$



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

