Algebra 1   Name_____
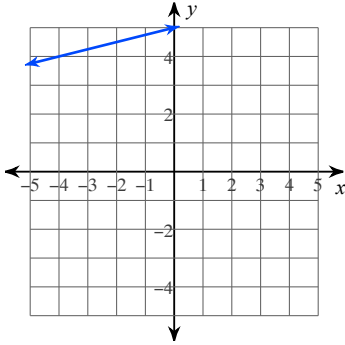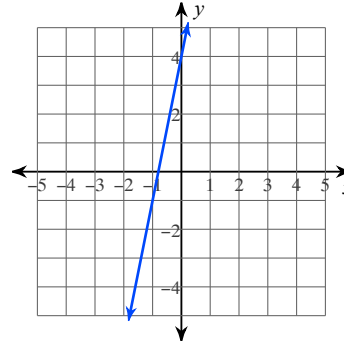
Writing Equations in Slope-Intercept Form

Date_____

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 $= \dfrac{2}{3}$,   y-intercept $= -1$

4) Slope $= \dfrac{3}{4}$,   y-intercept $= 0$

5) Slope $= -\dfrac{8}{5}$, y-intercept $= -3$

6) Slope $= -\dfrac{2}{3}$, y-intercept $= 3$

7) Slope $= 1$, y-intercept $= -3$

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

8) through: $(1, -1)$, slope $= 3$

9) through: $(-3, 1)$, slope $= \dfrac{2}{3}$

10) through: $(3, -3)$, slope $= -\dfrac{7}{3}$

11) through: $(-2, 0)$, slope $= 2$

12) through: $(-1, -3)$, slope $= \dfrac{4}{3}$

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

13) through: $(1, -1)$ and $(-1, 4)$

14) through: $(-1, 2)$ and $(0, -4)$

15) through: $(5, -5)$ and $(-1, 3)$

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

17) through: $(-5, 4)$ and $(-2, 1)$