

Point-Slope Form

Date _____ Period _____

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

1) $y + 5 = -\frac{7}{4}(x - 4)$

2) $y + 4 = 2(x - 1)$

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

4) $y + 3 = \frac{1}{5}(x - 3)$

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

5) through: $(2, 3)$, slope = $\frac{1}{4}$

6) through: $(-4, 1)$, slope = $-\frac{1}{2}$

7) through: $(-4, -4)$, slope = $\frac{9}{4}$

8) through: $(2, -2)$, slope = -2

9) through: $(-4, -2)$, slope = 0

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

10) through: $(-3, -3)$ and $(-5, 4)$

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

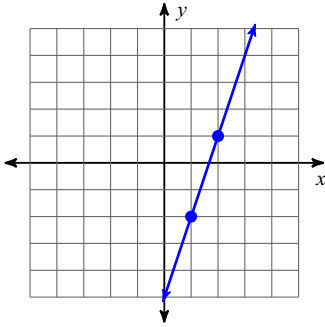
12) through: $(4, -4)$ and $(4, 0)$

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

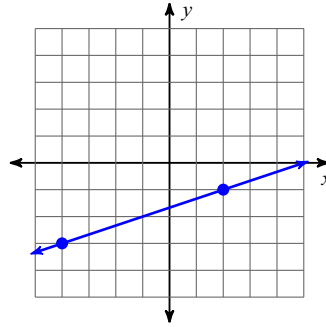
14) through: $(5, -5)$ and $(-5, -1)$

Write the equation in point-slope form.

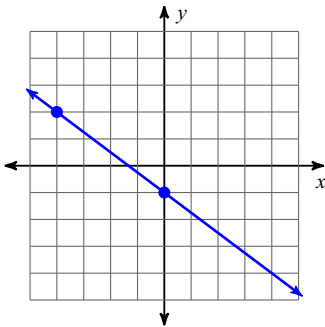
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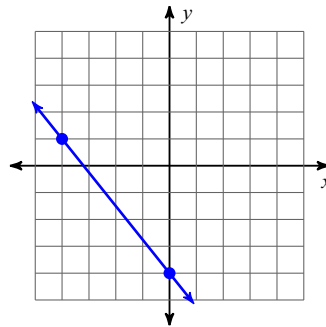
16)



17)



18)



19)

