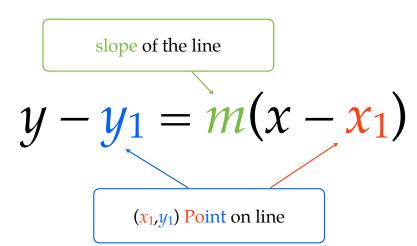
Name	
Date	Period

Point-Slope Form



Given a point and the slope, write the following lines in point-slope form.

$$y-y_1=m(x-x_1)$$

Slope: -3 Point: (2,-3) Slope: -1 **Point: (-3,5)**

Slope: 4 Point: (0,-6) Given the following lines in point-slope form, determine the given point and the slope.

$$y - y_1 = m(x - x_1)$$

$$y - 3 = -3(x + 6)$$

$$y + 5 = 2(x - 1)$$

$$y-3=-3(x+6)$$
 $y+5=2(x-1)$ $y-7=-(x+4)$

Write a line in point-slope form, containing the following two points.

$$y-y_1=m(x-x_1)$$

$$(3,6)$$
 and $(-2,-4)$

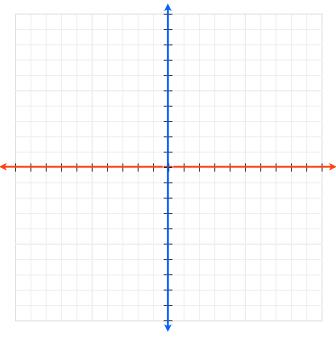
Write a line in point-slope form, containing the following two points.

$$y - y_1 = m(x - x_1)$$

Graph the following lines in point-slope form.

$$y - y_1 = m(x - x_1)$$

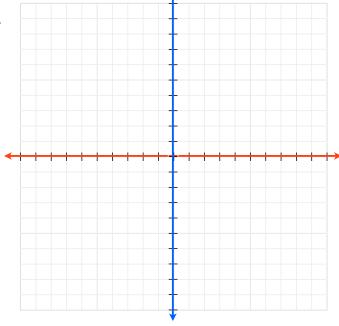
$$y + 4 = 2(x + 3)$$



Graph the following lines in point-slope form.

$$y - y_1 = m(x - x_1)$$

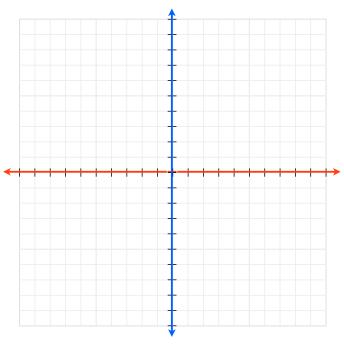
$$y + 4 = -\frac{1}{5}(x - 1)$$



Graph the following lines in point-slope form.

$$y - y_1 = m(x - x_1)$$

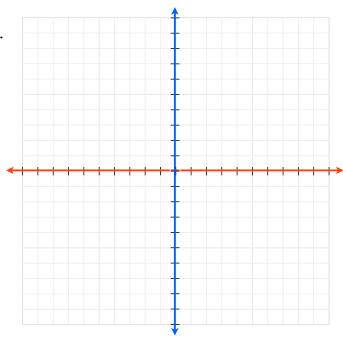
$$y - 5 = \frac{2}{5}(x - 5)$$



Graph the following lines in point-slope form.

$$y - y_1 = m(x - x_1)$$

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



Point-Slope Form

$$y-y_1=m(x-x_1)$$

 (x_1,y_1) Point on line

Given a line in point-slope form, solve for y to put in slope-intercept form