

Point Slope Form

Complete the table. Be sure to show your work.

SLOPE	POINT	POINT SLOPE FORM	SLOPE INTERCEPT FORM	STANDARD FORM
$m = 2$	$(4,6)$			
$m = -2$	$(-4, -6)$			
$m = \frac{1}{2}$	$(4, -6)$			
$m = -\frac{1}{2}$	$(-4,6)$			

Find the equation of the line given a slope of -4 that goes through the point $(0,-9)$.

Find the equation of the line given $(-3,7)$ and $(1,-1)$.

Graph each by the best method given the form. Be sure to scale and label your graphs.

$y = -x + 2$	$y + 2 = -\frac{1}{2}(x - 1)$	$x - y = -3$
$x = -3$	$3x - y = -6$	$y = 4$

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