

MasterMath

Name _____

Date _____

Point-Slope Form; Standard Form



- Write an Equation in Point-Slope Form for the red line.
- Re-write the previous equation in Standard Form.
- Write an Equation in Point-Slope Form for the blue line.
- Re-write the previous equation in Standard Form.
- Write an Equation in Point-Slope Form for the green line.
- Re-write the previous equation in Standard Form.
- Graph this equation: $y - 6 = 3(x + 2)$

Slope	Point	Equation
1/3	(0, 5)	$y - 5 = 1/3x$

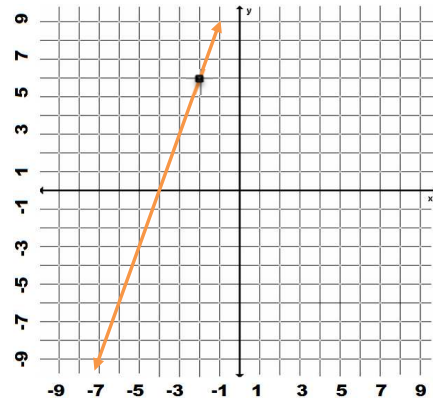
$-1/3x + y = 5$

Slope	Point	Equation
-1/3	(3, -3)	$y + 3 = -1/3(x - 3)$

$1/3x + y = -2$

Slope	Point	Equation
-2	(-2, 1)	$y - 1 = -2(x + 2)$

$2x + y = -3$



- Write an equation in Point-Slope Form for a line that passes through these points: (2, 1) and (0, 5).

Slope	Point	Equation
-2	(2, 1)	$y - 1 = -2(x - 2)$

- Place an "x" in the box on the right that identifies the form of each of these equations:

Equation	Slope-Intercept	Standard	Point-Slope
$3x - 6y = -12$		x	
$y = 3x - 12$	x		
$y = 2(x - 4)$			x