Linear Function Forms

Name _____

Date _____ Period _____

Three Basic Forms of a Line

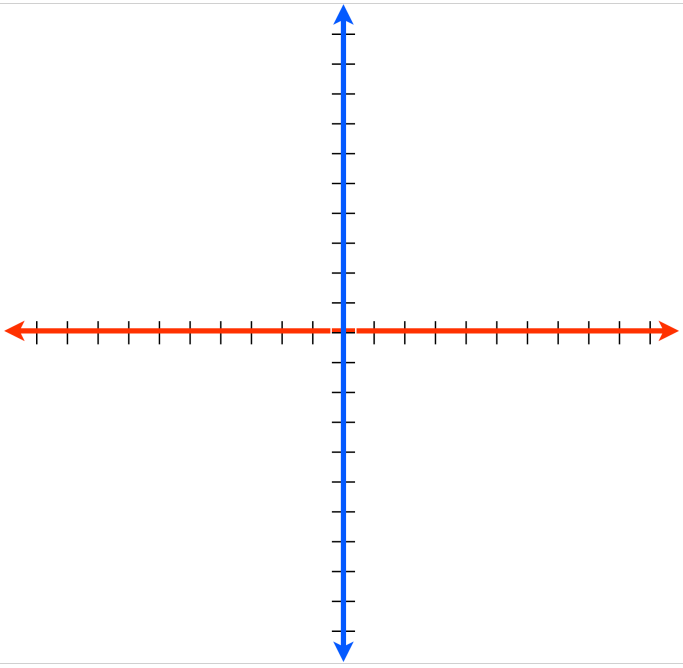
Slope-Intercept Form

Point-Slope Form

Standard Form

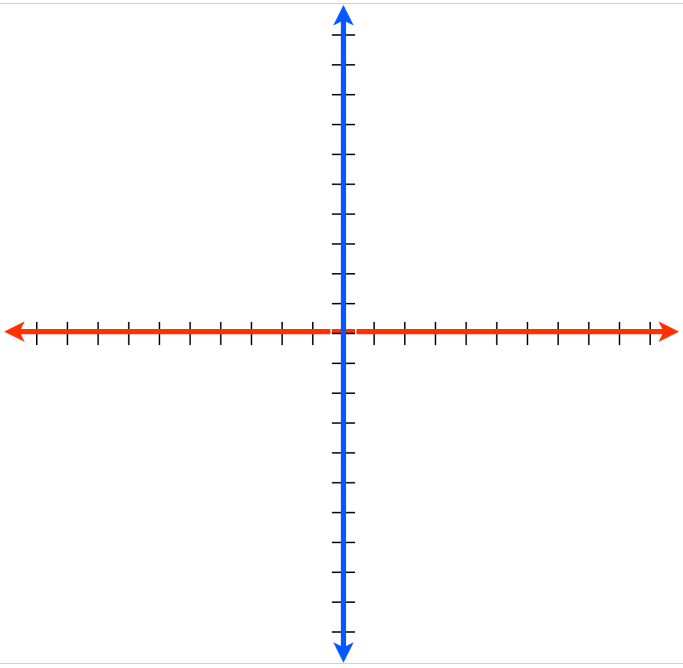
Graphing Lines in Slope-Intercept Form

$y = -2x + 4$



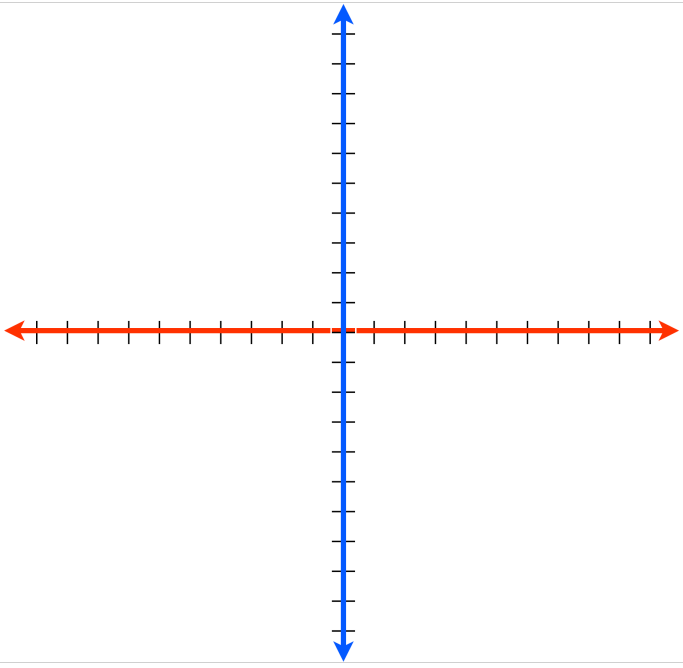
Graphing Lines in Slope-Intercept Form

$y = x - 6$



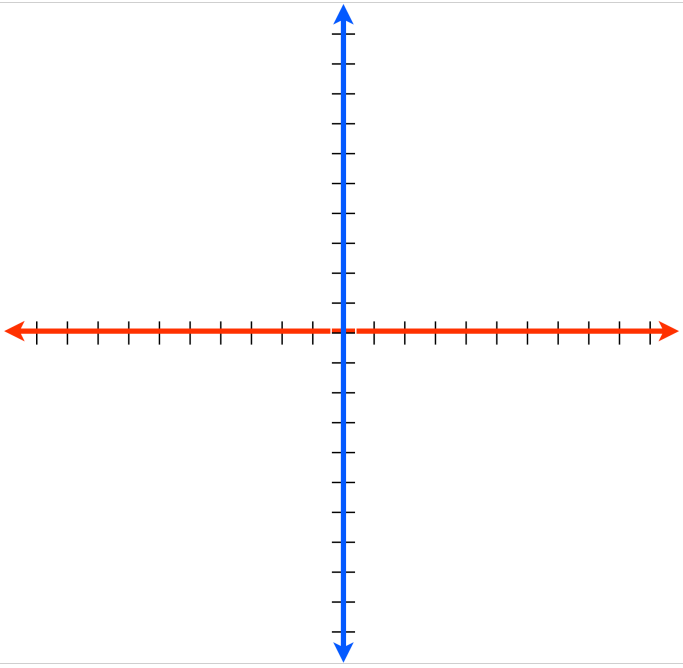
Graphing Lines in Point-Slope Form

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



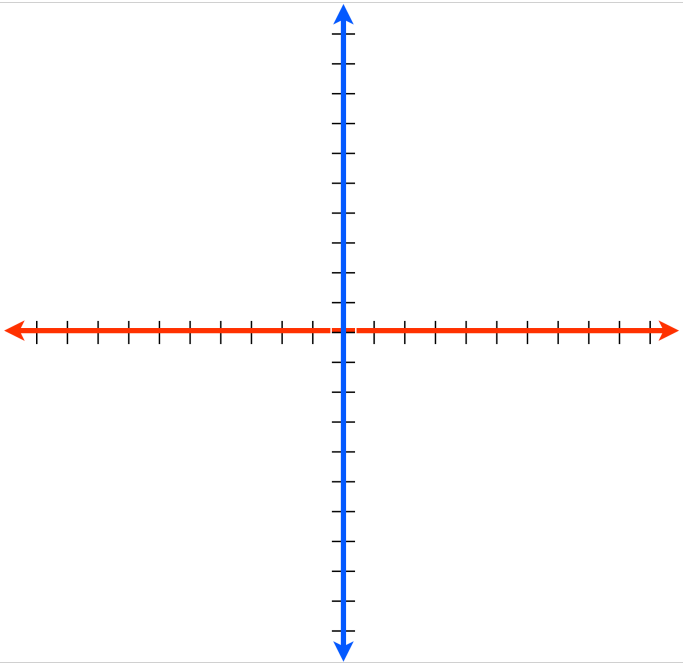
Graphing Lines in Point-Slope Form

$y + 6 = 2(x - 1)$



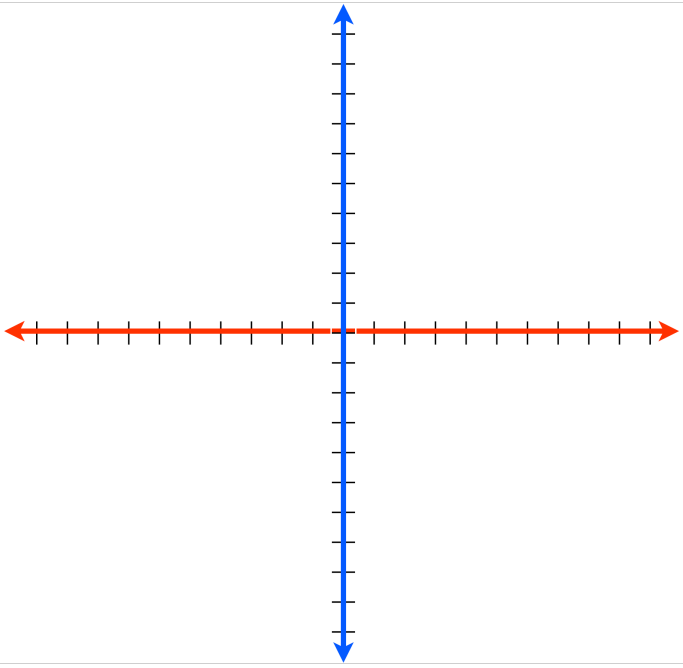
Graphing Lines in Standard Form

$3x - 2y = 12$



Graphing Lines in Standard Form

$2x + y = 10$



Three Basic Forms of a Line

Slope-Intercept Form	Point-Slope Form	Standard Form
$y = mx + b$	$y - y_1 = m(x - x_1)$	$Ax + By = C$
m = *slope*	m = *slope*	A must be positive
b = *y-intercept*	(x_1, y_1) = *Point*	A, B, and C must be integers