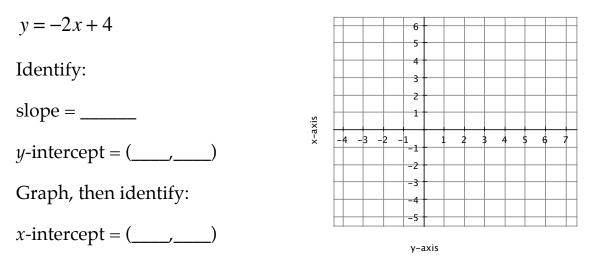
Slope-Intercept vs. Standard Form



Part I: Graphing an equation in **Slope-Intercept Form**:



Part 2: Graphing an equation in **Standard Form**: 6x + 3y = 12

rur 2. Stupining un equation in Stundard Form	
Option 1: $6x + 3y = 12$	Option 2: $6x + 3y = 12$
Change into Slope Intercept Form:	Use the <i>x</i> and <i>y</i> intercepts:
6x + 3y = 12 -6x = -6x $3y = -6x + 12$ 1)Subtract 6x from both sides of the equation	To find the <i>x</i> -intercept, plug in $y=$ 6 x + 3 y = 12
$\frac{3y}{3} = \frac{-6x}{3} + \frac{12}{3}$ ^{2) Divide both sides} of the equation by 3 $y = -2x + 4$ ^{3) Simplify}	<i>x</i> -intercept (,) To find the <i>y</i> -intercept, plug in $x=$ 6x + 3y = 12
6x + 3y = 12 and $y = -2x + 4$ are the same	<i>y</i> -intercept () Do the intercepts match the intercepts in the graph above?
Could we have graphed the line $6x + 3y = 12$ if we only found the intercepts? How?	