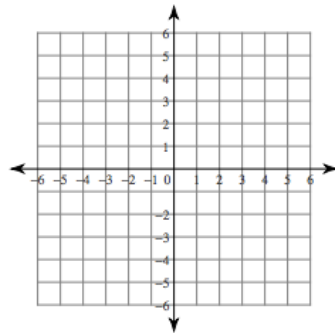


Convert Standard Form to Slope-Intercept Form

Ex. 1 $4x + 3y = 9$



Steps Solving:

1)

2)

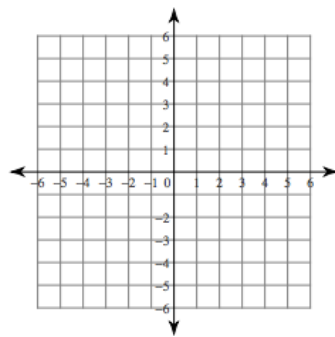
3)

Graphing:

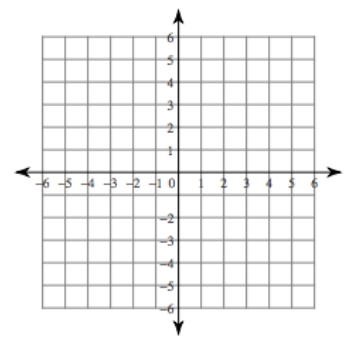
1)

2)

Ex. 2 $6x - 5y = -15$



You Try 3 $-3x + 2y = -4$



When should we convert from standard form to slope-intercept form?

- when we need the slope
- when we need to graph but solving for the x-intercept gives a fraction

Convert Slope-Intercept Form to Standard Form

<p><u>Ex. 3</u> $y = -\frac{3}{7}x + 5$</p>	<p><u>Steps Converting:</u></p> <p>1)</p> <p>2)</p> <p>3)</p>
<p><u>Ex. 4</u> $y = \frac{2}{3}x + \frac{4}{7}$</p>	<p><u>You Try 5</u> $y = \frac{3}{4}x - 2$</p>

KEY IDEA:

- Use _____ to manipulate the equation.