

What's Going On?

Checking In

Minds on

Simplifying and Graphing

Action!

Prerequisite Challenge

Consolidation

A "Good" Solution

Learning Goal - We will review how to solve, simplify and graph.

Minds on

Simplifying and Graphing

Simplify

$$2(3x - 4) + 4(2x + 2)$$

$$= 6x - 8 + 8x + 8$$

$$= 6x + 8x - 8 + 8$$

$$= 14x$$

$$-3(x - 1) - 4x(2x + 3)$$

$$\begin{aligned} & -3(x-1) - 4x(2x+3) \\ & = -3x + 3 - 8x^2 - 12x \end{aligned}$$

$$= -8x^2 - 15x + 3$$

$$-x(x+1) - 4(x-6)$$

$$= -x^2 - x - 4x + 24$$

$$= -x^2 - 5x + 24$$

$$\begin{array}{c} 3 \rightarrow (-2) \\ 5 \end{array}$$

$$3a - 12 = 46 + a$$

$$-a$$

$$2a - 12 = 46$$

$$+12$$

$$+12$$

$$\frac{2a}{2} = \frac{58}{2}$$

$$a = 29$$

~~$$65 - 3 = 3(77)$$~~

$$6s - 3 = 3(77 - s)$$

$$12k - 2 = 2(3k - 1)$$

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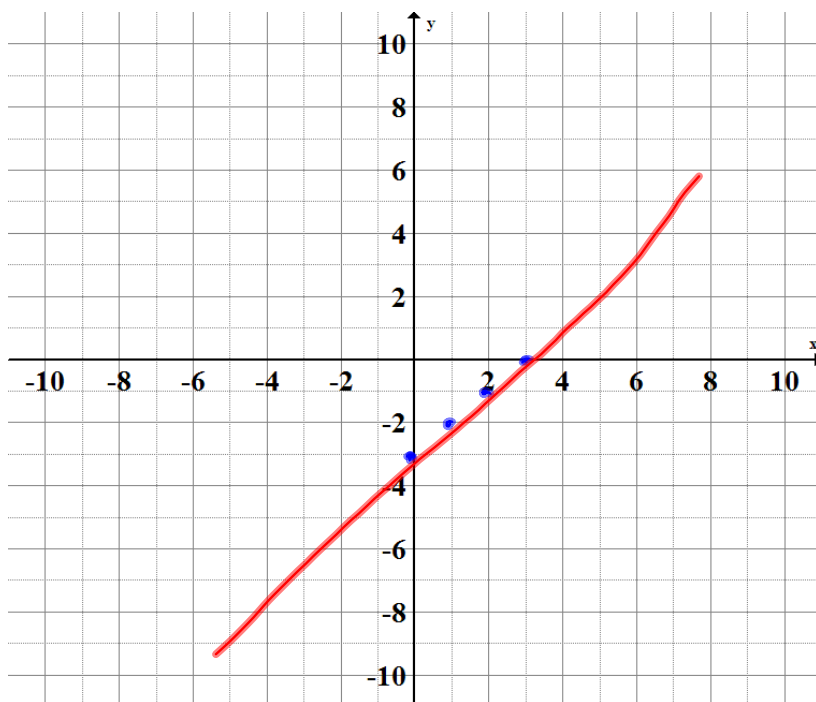
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Simplifying and Graphing

Graph given $y = mx + b$

$$y = x - 3$$

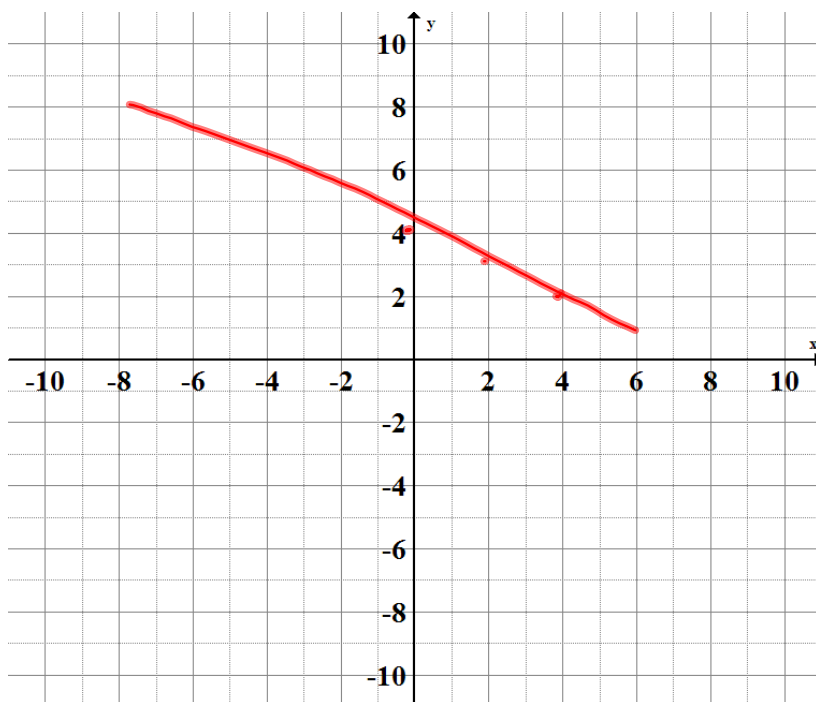


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Simplifying and Graphing

Graph given $y = mx + b$

$$y = -\frac{1}{2}x + 4$$

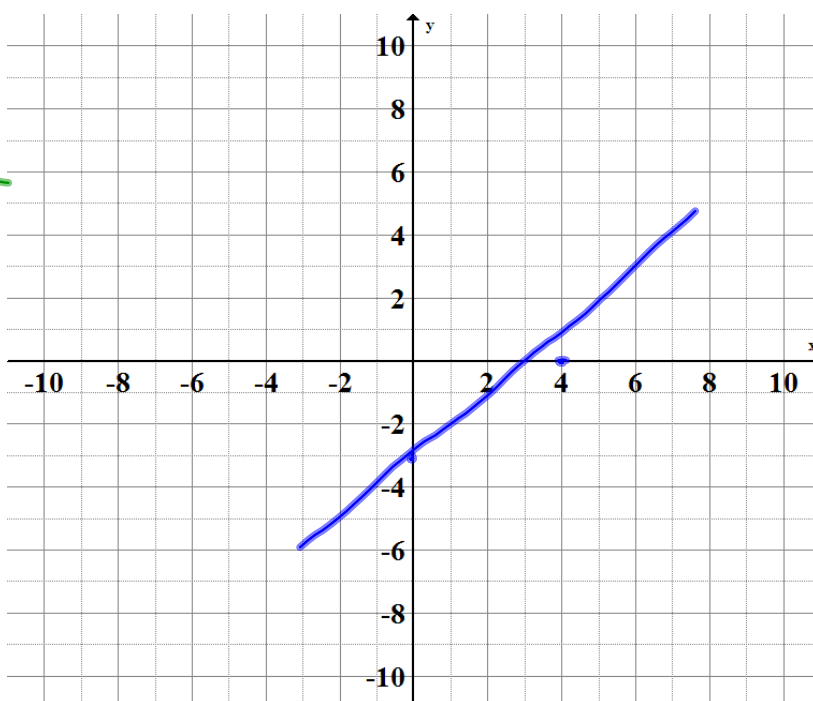


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Simplifying and Graphing

Graph given $Ax + By + C = 0$

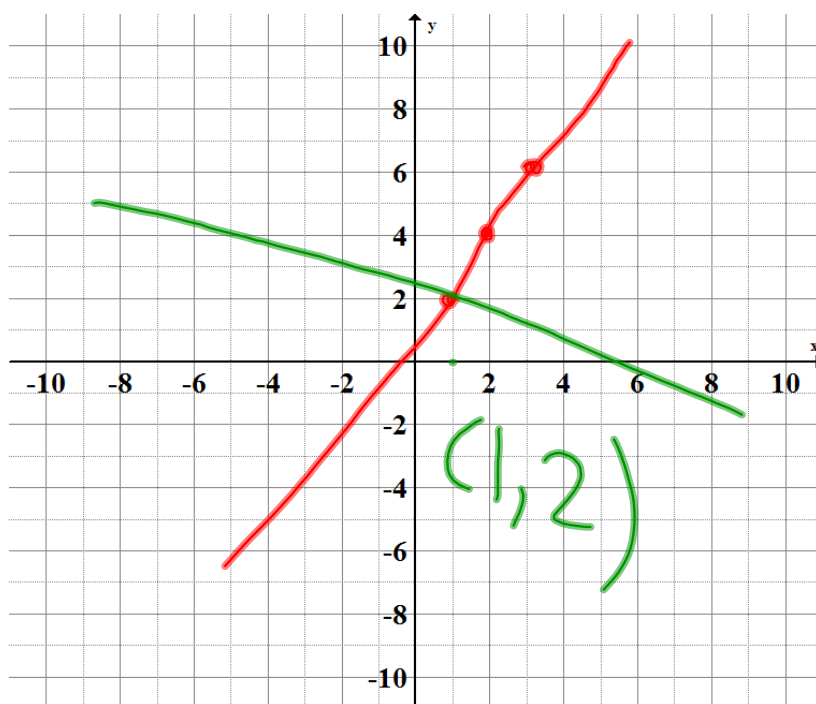
$$3x - 4y = 12$$



Minds on

Simplifying and Graphing

Find the "Solution"



Action!

Prerequisite Challenge

1. Get in your groups.
2. Move to your first station.
3. Choose a game master from each team and a lead player for the first "substation"
4. Game masters work together to run the round.
When a player has their answer complete, they put down their pencil and slap the table.
5. Once everyone has answered the game masters determine points. 2 Points for first correct, 1 point for correct, 0 for incorrect.
6. After the "substation" is complete, switch up the game masters and lead players.