

Spark Sequence

Simplifying Expressions - Combining Like Terms

$$(5c + 13.78) - (3c + 9.09)$$

What is the same what is different?

$$(5c + 13.78) - (3c + 9.09)$$

$$(5c + 13.78) - 3c - 9.09$$

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$$(5c + 13.78) - (3c + 9.09)$$

$$(5c + 13.78) - 3c - 9.09$$

$$5c - 3c + 13.78 - 9.09$$

What is the same what is different?

$$(5c + 13.78) - (3c + 9.09)$$

$$(5c + 13.78) - 3c - 9.09$$

$$5c - 3c + 13.78 - 9.09$$

$$2c + 13.78 - 9.09$$

What is the same what is different?

$$(5c + 13.78) - (3c + 9.09)$$

$$(5c + 13.78) - 3c - 9.09$$

$$5c - 3c + 13.78 - 9.09$$

$$2c + 13.78 - 9.09$$

$$2c + 4.69$$

Justify each step

$$(5c + 13.78) - (3c + 9.09)$$

$$(5c + 13.78) - 3c - 9.09$$

$$5c - 3c + 13.78 - 9.09$$

$$2c + 13.78 - 9.09$$

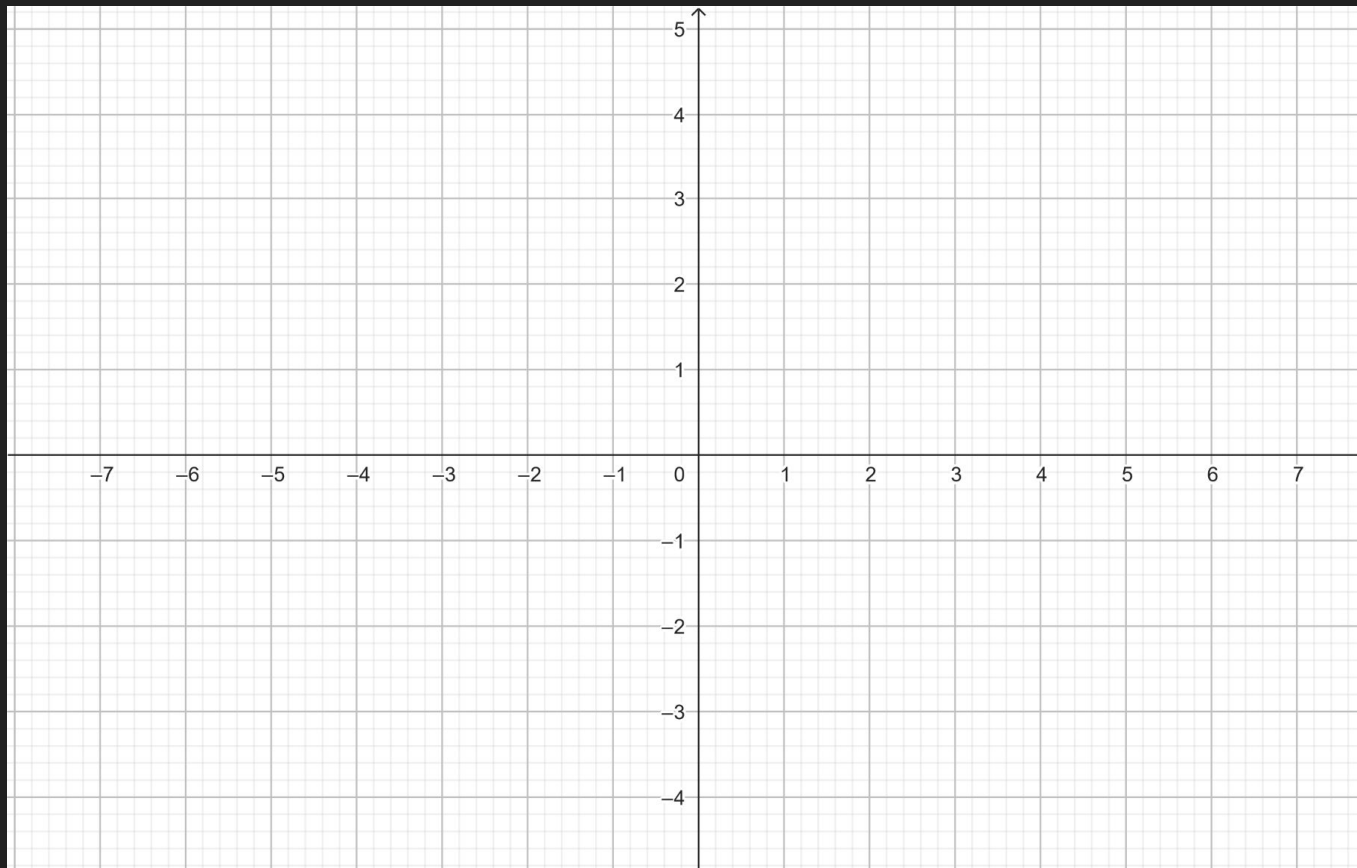
$$2c + 4.69$$

Spark Sequence

Graphing Linear Equations From T-table

$$y = \frac{3}{2}x - 1$$

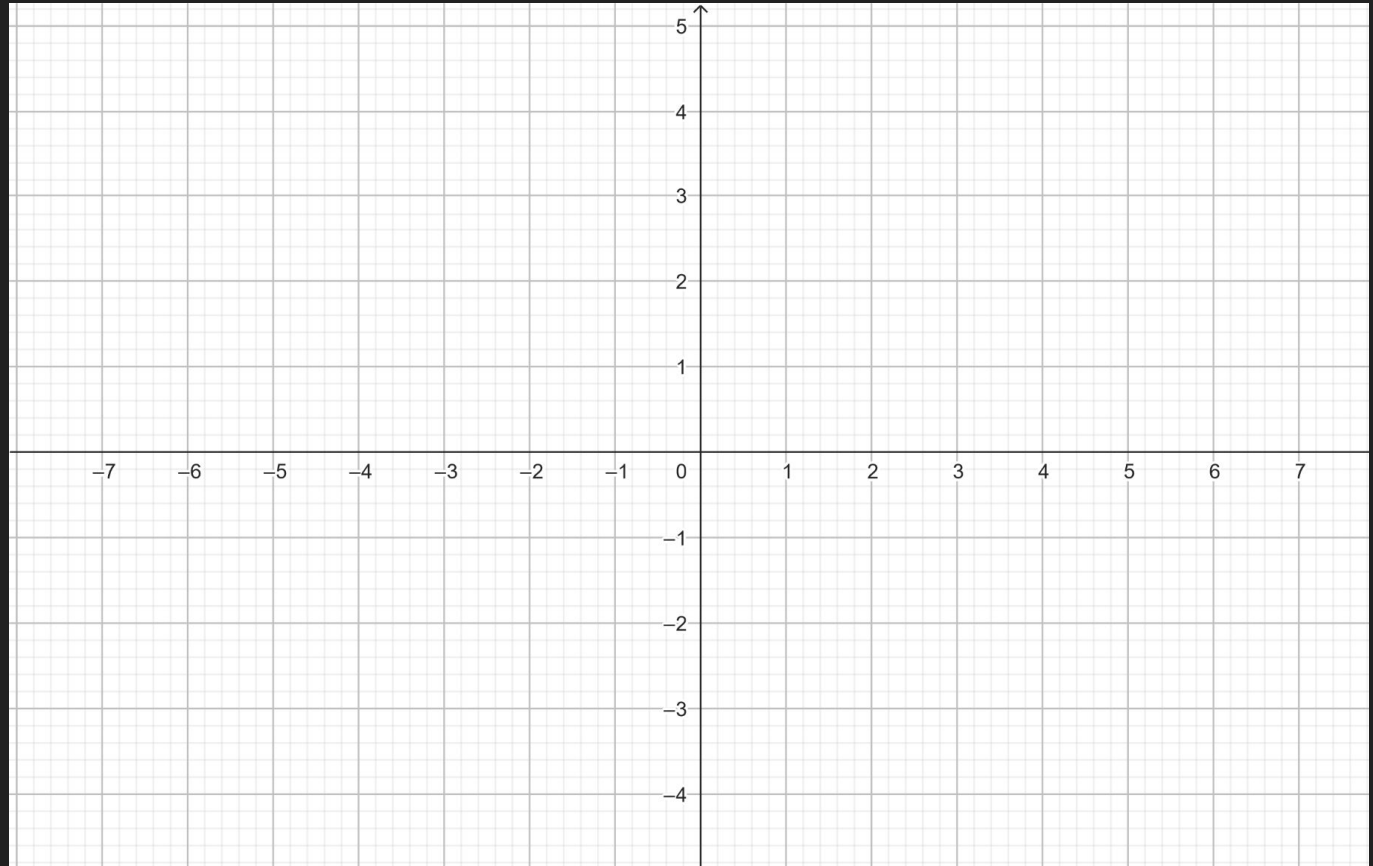
x	y



What is the same what is different?

$$y = \frac{3}{2}x - 1$$

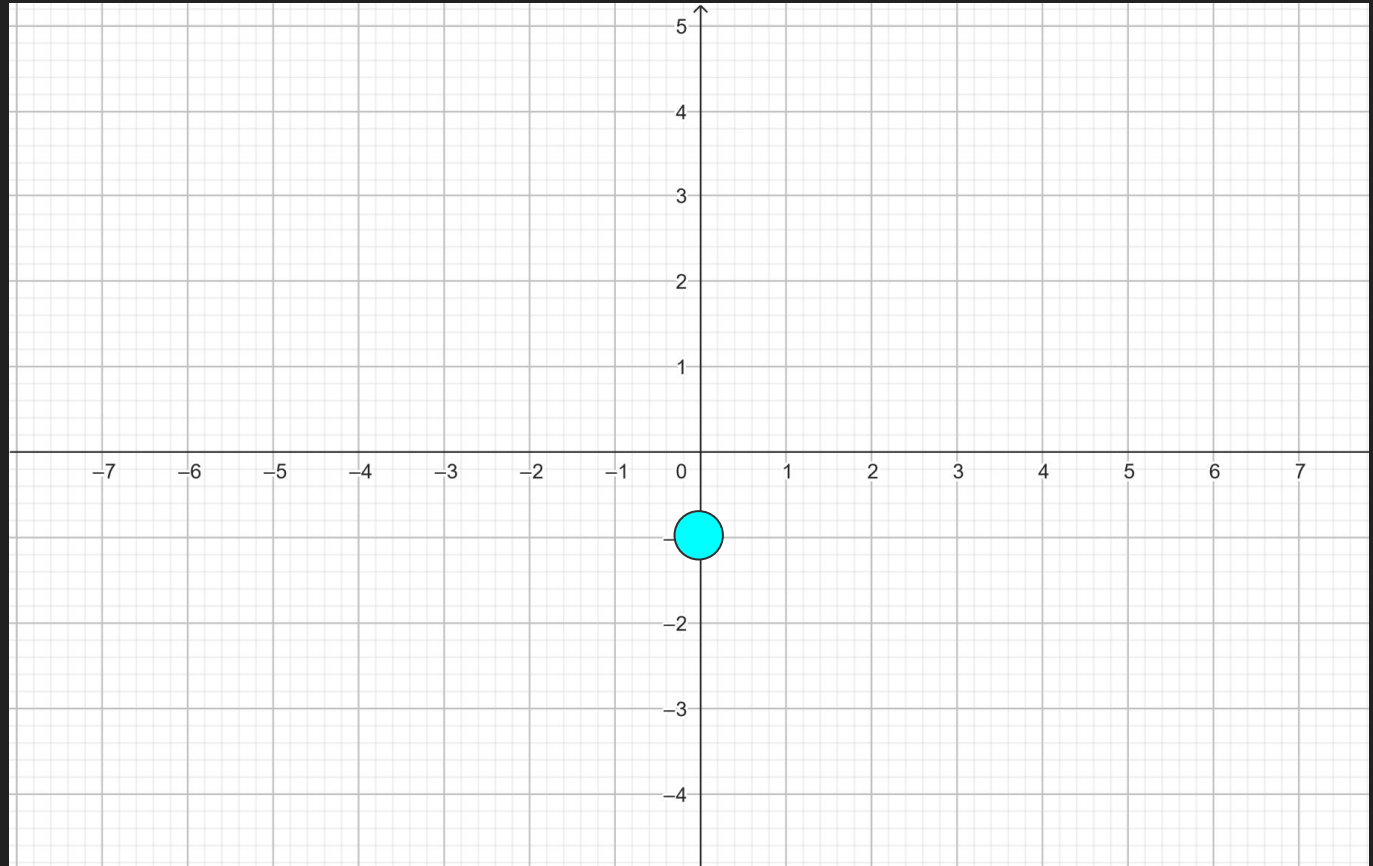
x	y
0	



What is the same what is different?

$$y = \frac{3}{2}x - 1$$

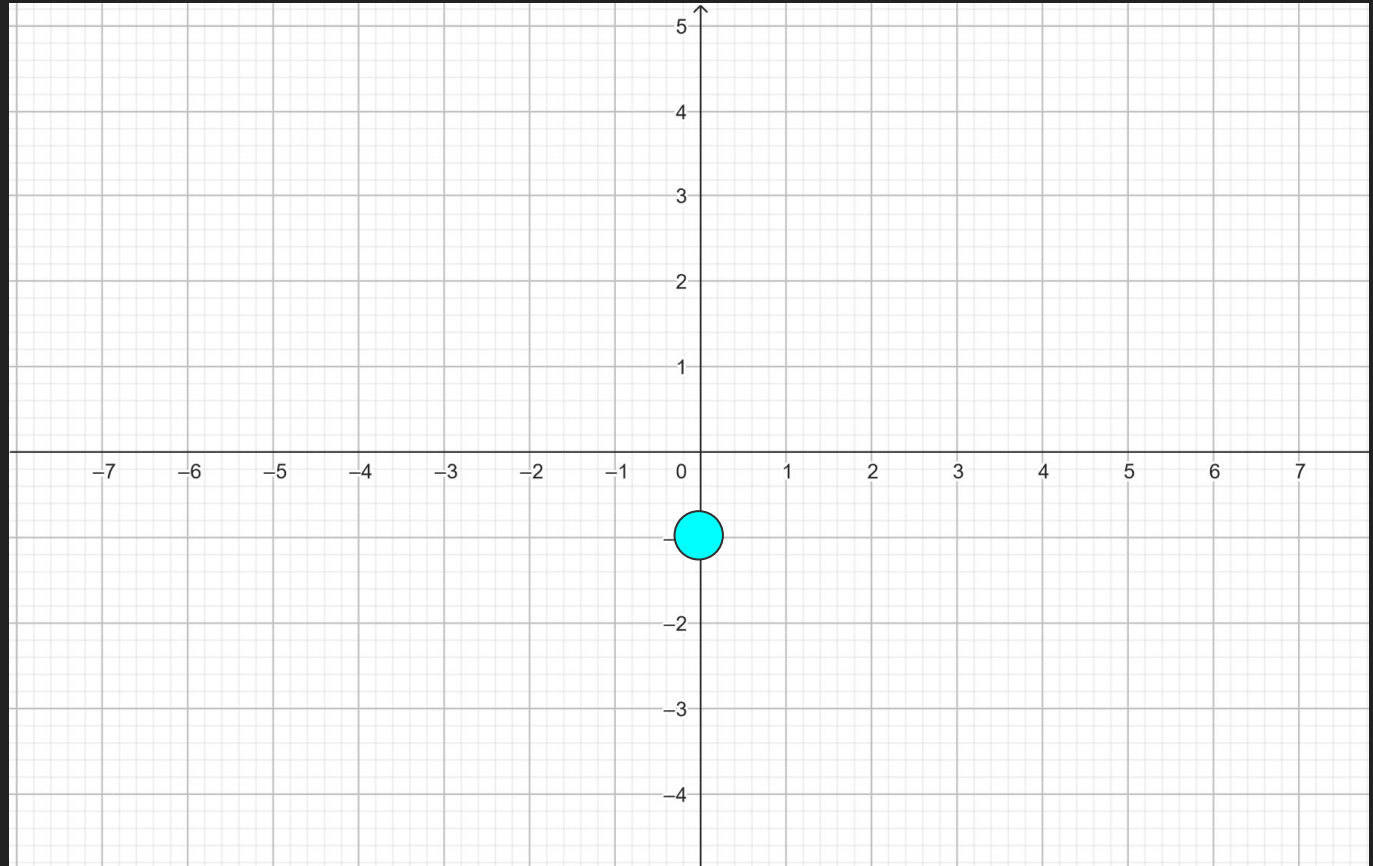
x	y
0	1



What is the same what is different?

$$y = \frac{3}{2}x - 1$$

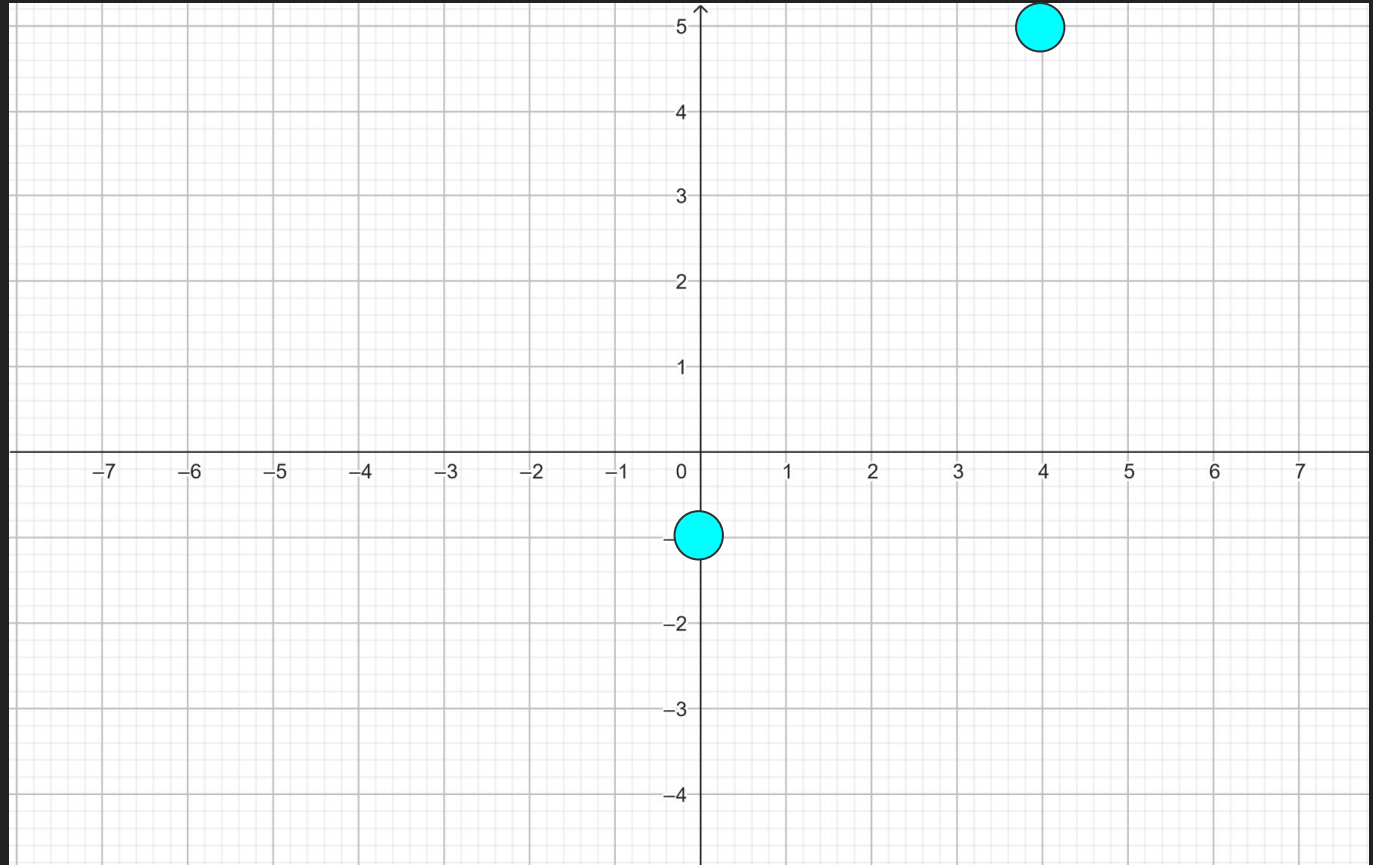
x	y
0	-1
4	



What is the same what is different?

$$y = \frac{3}{2}x - 1$$

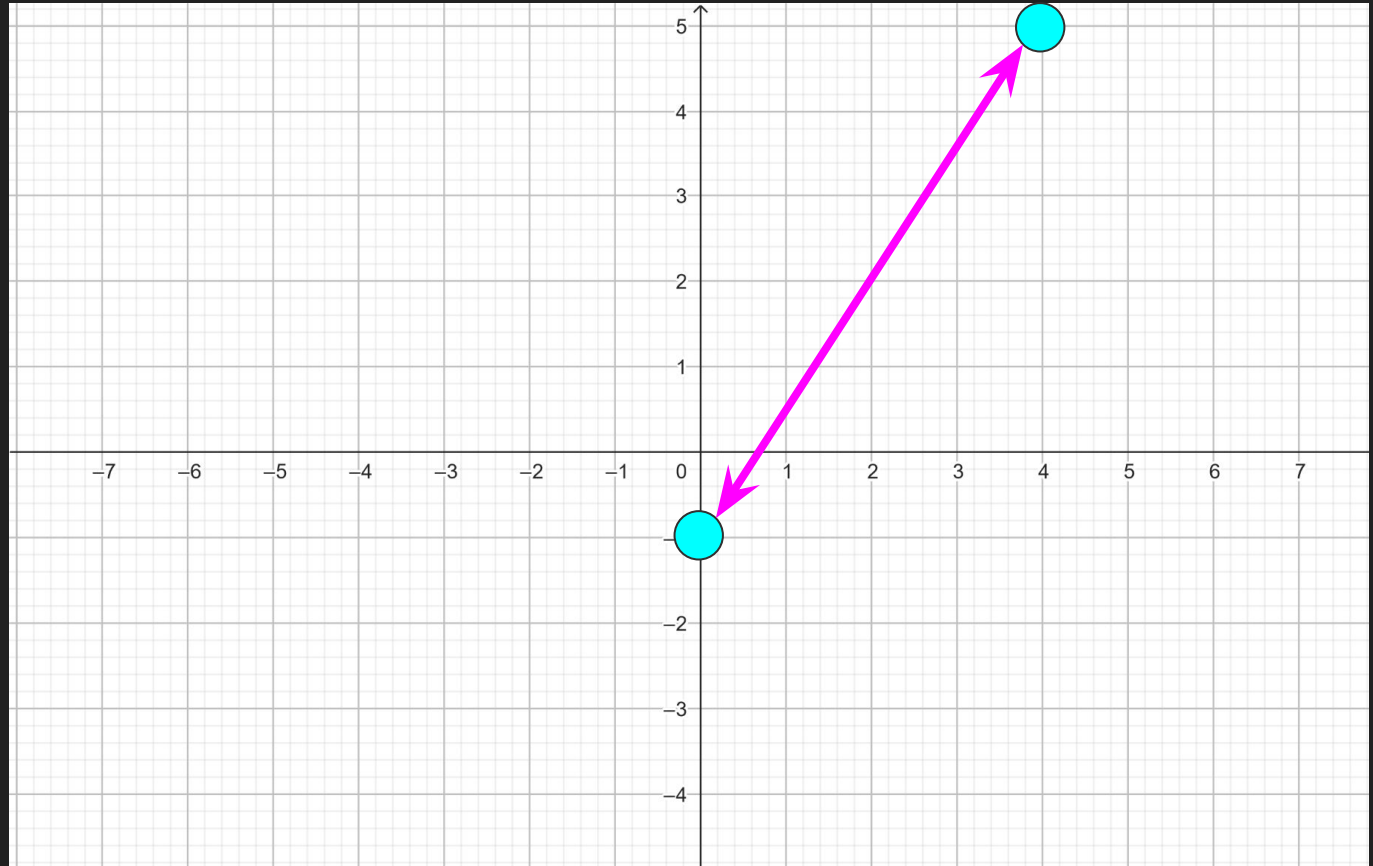
x	y
0	-1
4	6-1=5



What is the same what is different?

$$y = \frac{3}{2}x - 1$$

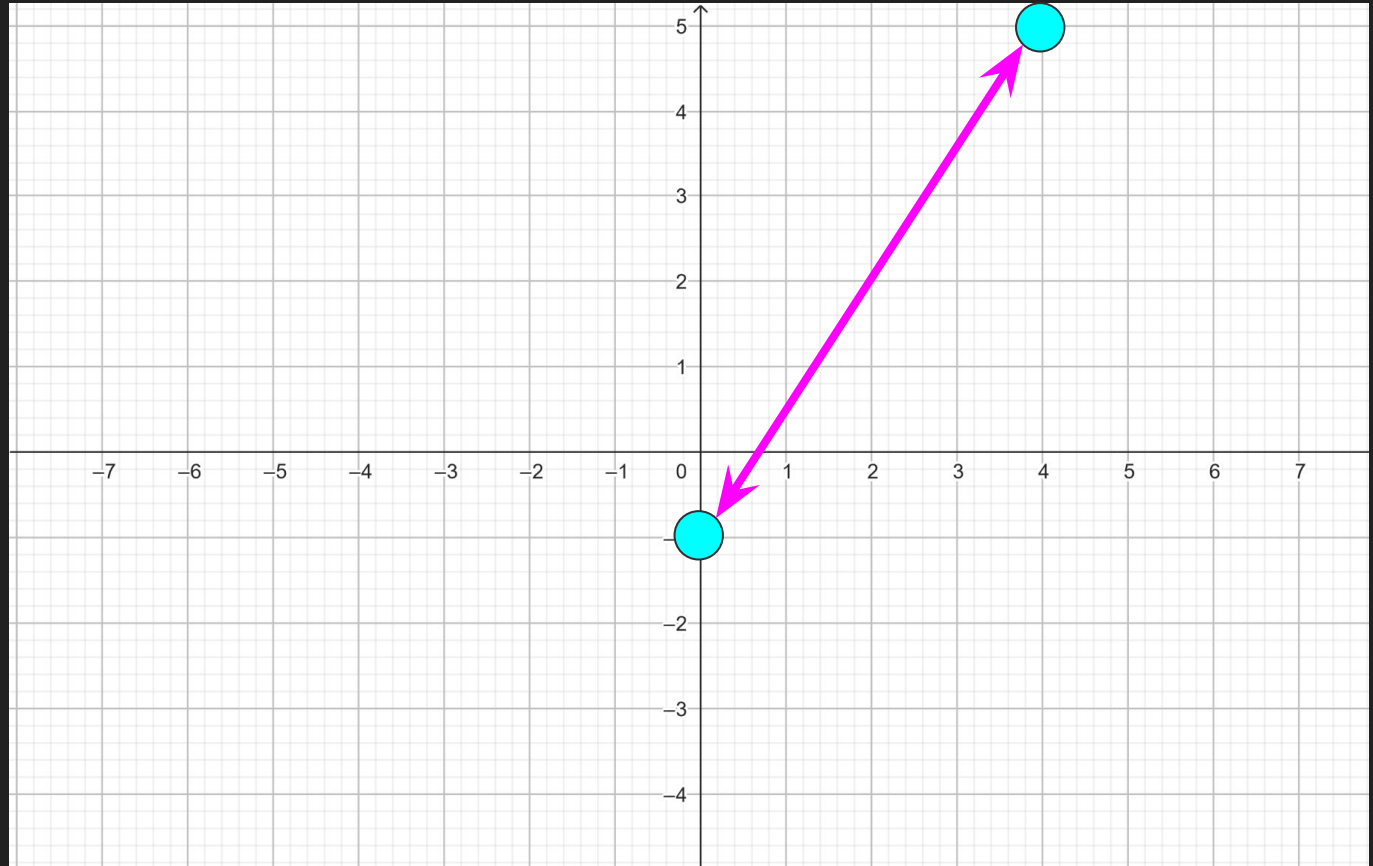
x	y
0	-1
4	5



Justify each step.

$$y = \frac{3}{2}x - 1$$

x	y
0	-1
4	6-1=5



Spark Sequence

Completing the Square

$$x^2 - 2x - 24 = 0$$

What is the same what is different?

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$$x^2 - 2x - 24 = 0$$

$$x^2 - 2x = 24$$

$$x^2 - 2x + \left(\frac{2}{2}\right)^2 = 24 + \left(\frac{2}{2}\right)^2$$

What is the same what is different?

$$x^2 - 2x - 24 = 0$$

$$x^2 - 2x = 24$$

$$x^2 - 2x + \left(\frac{2}{2}\right)^2 = 24 + \left(\frac{2}{2}\right)^2$$

$$x^2 - 2x + 1 = 24 + 1$$

What is the same what is different?

$$x^2 - 2x - 24 = 0$$

$$x^2 - 2x = 24$$

$$x^2 - 2x + \left(\frac{2}{2}\right)^2 = 24 + \left(\frac{2}{2}\right)^2$$

$$x^2 - 2x + 1 = 24 + 1$$

$$(x - 1)(x - 1) = 25$$

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$$x^2 - 2x = 24$$

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$$x^2 - 2x + 1 = 24 + 1$$

$$(x - 1)(x - 1) = 25$$

$$(x - 1)^2 = 25$$

What is the same what is different?

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$$x^2 - 2x + 1 = 24 + 1$$

$$(x - 1)(x - 1) = 25$$

$$(x - 1)^2 = 25$$

$$(x - 1) = \pm 5$$

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$$x^2 - 2x = 24$$

$$x^2 - 2x + \left(\frac{2}{2}\right)^2 = 24 + \left(\frac{2}{2}\right)^2$$

$$x^2 - 2x + 1 = 24 + 1$$

$$(x - 1)(x - 1) = 25$$

$$(x - 1)^2 = 25$$

$$(x - 1) = \pm 5$$

$$x = 1 \pm 5$$

Justify each step

$$x^2 - 2x - 24 = 0$$

$$x^2 - 2x = 24$$

$$x^2 - 2x + \left(\frac{2}{2}\right)^2 = 24 + \left(\frac{2}{2}\right)^2$$

$$x^2 - 2x + 1 = 24 + 1$$

$$(x - 1)(x - 1) = 25$$

$$(x - 1)^2 = 25$$

$$(x - 1) = \pm 5$$

$$x = 1 \pm 5$$