

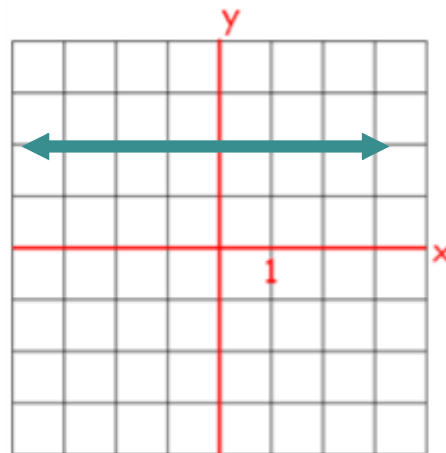
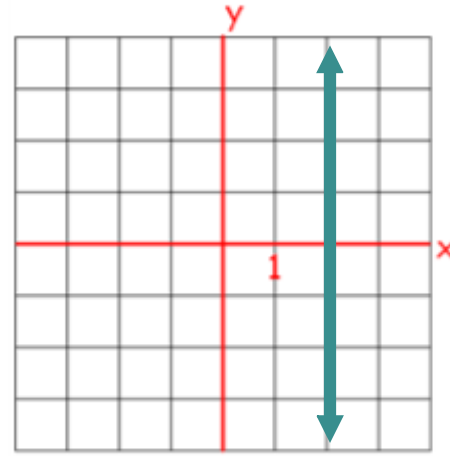
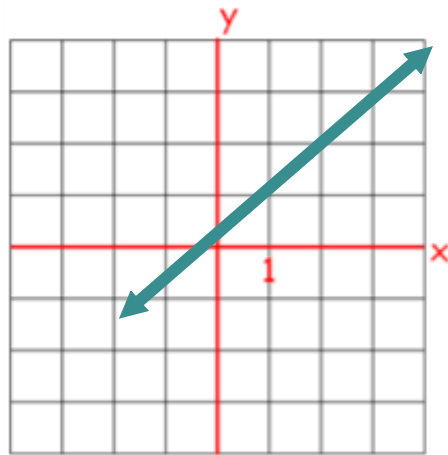
# Slope Formula

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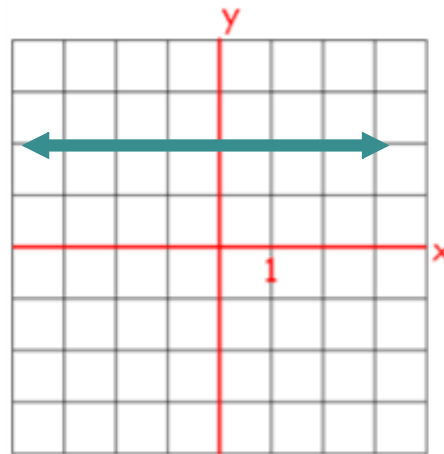
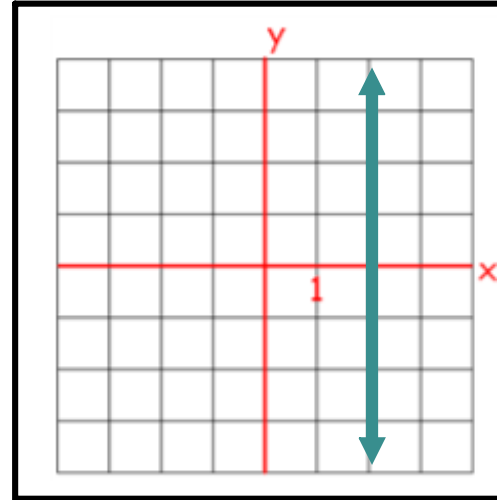
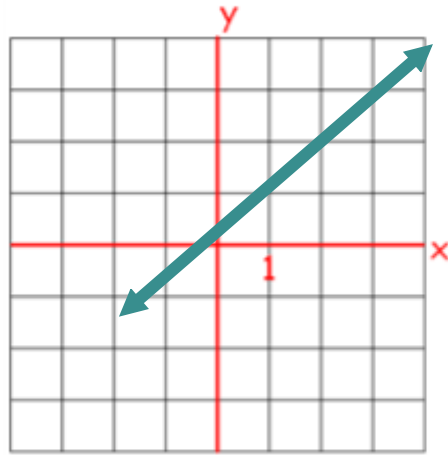
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$\underline{\underline{m}}$$

Which of the following lines has an Undefined slope?



Which of the following lines has an Undefined slope?

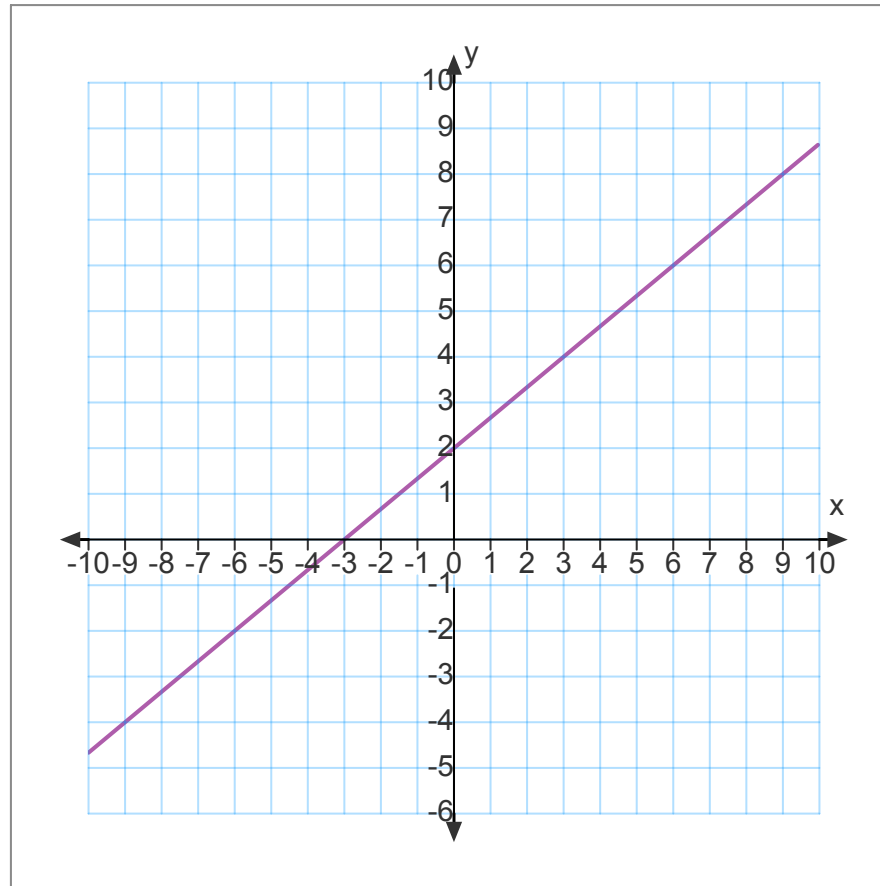


# Point Slope Formula

# Point Slope Formula

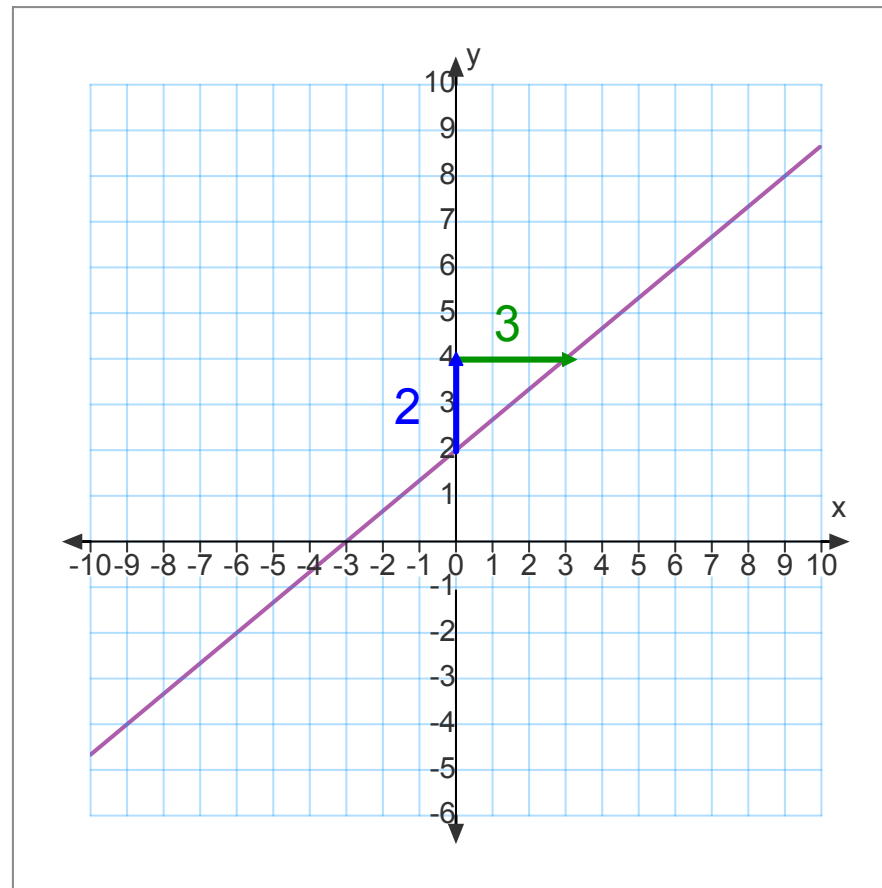
$$y - y_1 = m(x - x_1)$$

What is the Slope of the Following Line?

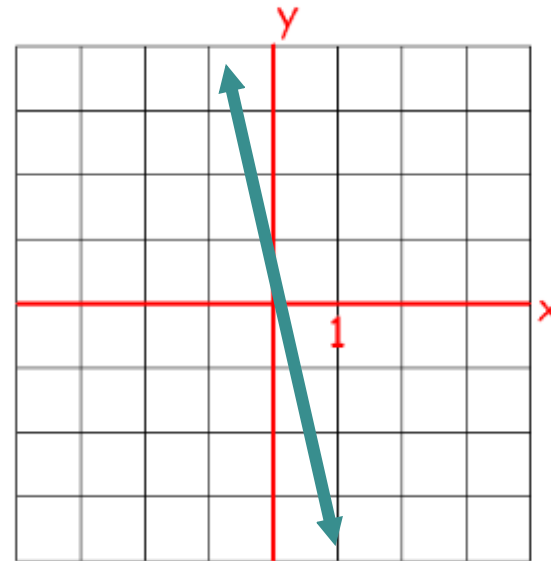
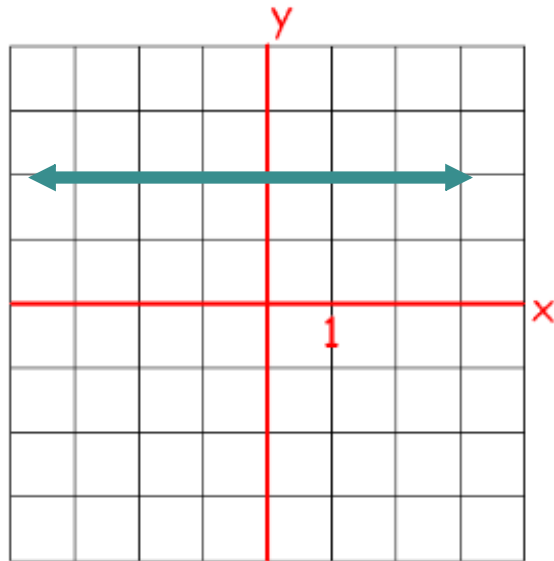
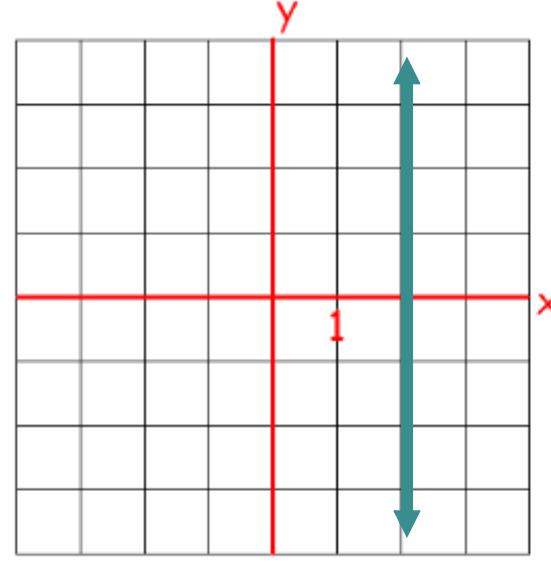
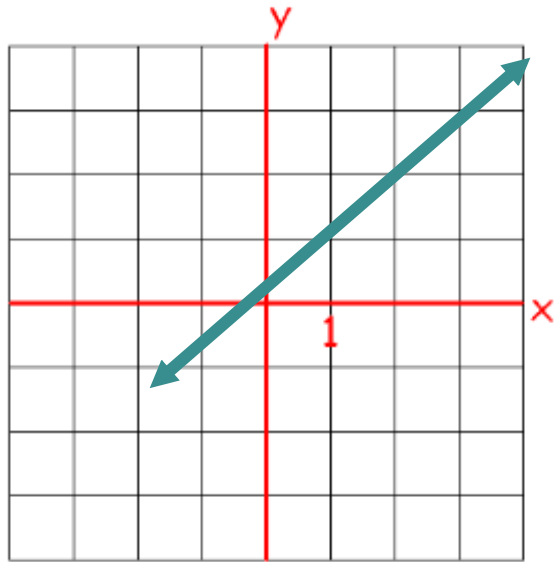


What is the Slope of the Following Line?

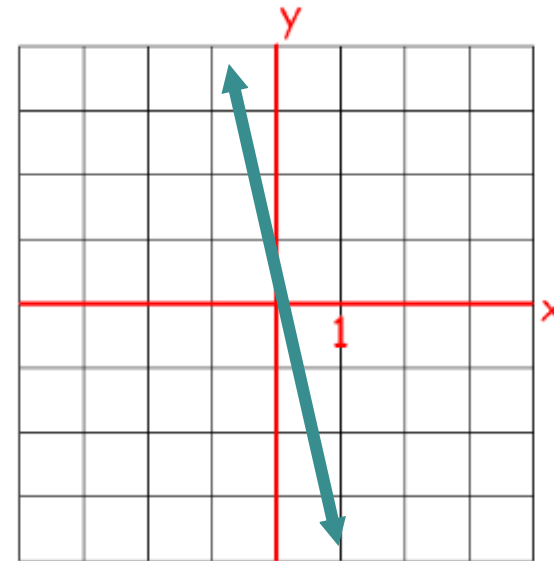
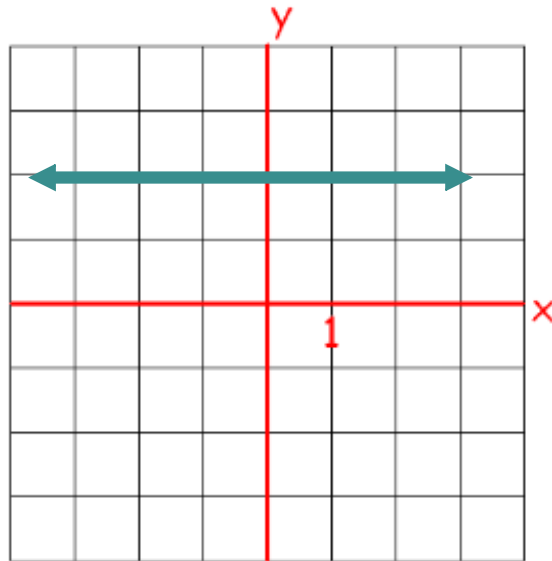
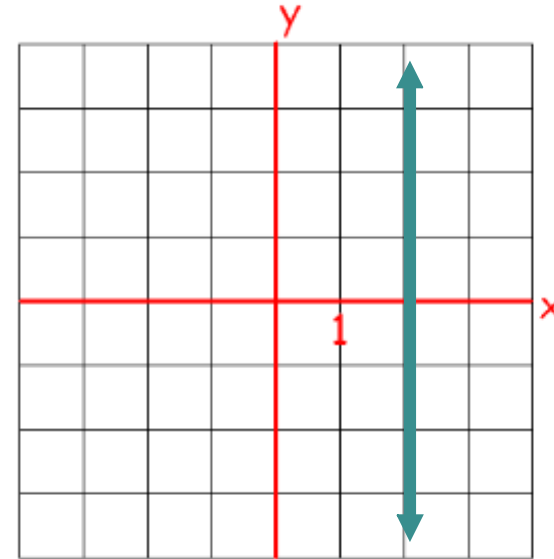
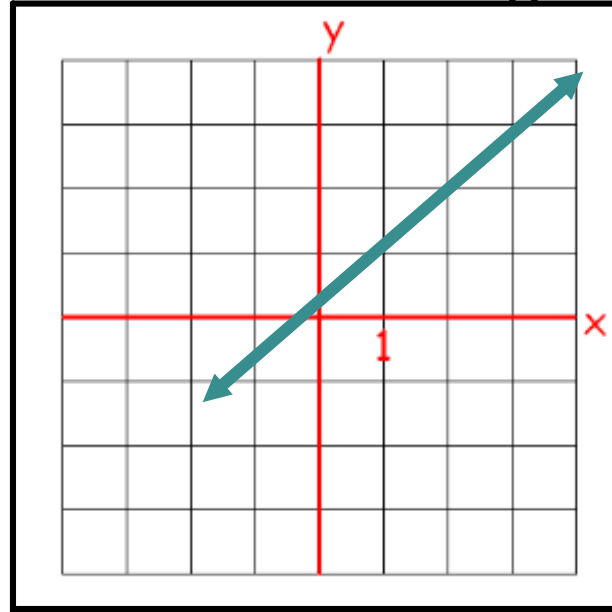
$$\frac{2}{3}$$



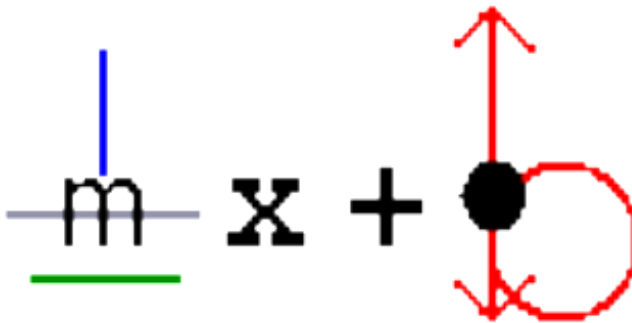
Which of the following lines has a Positive slope?



Which of the following lines has a Positive slope?



The name of the following equation

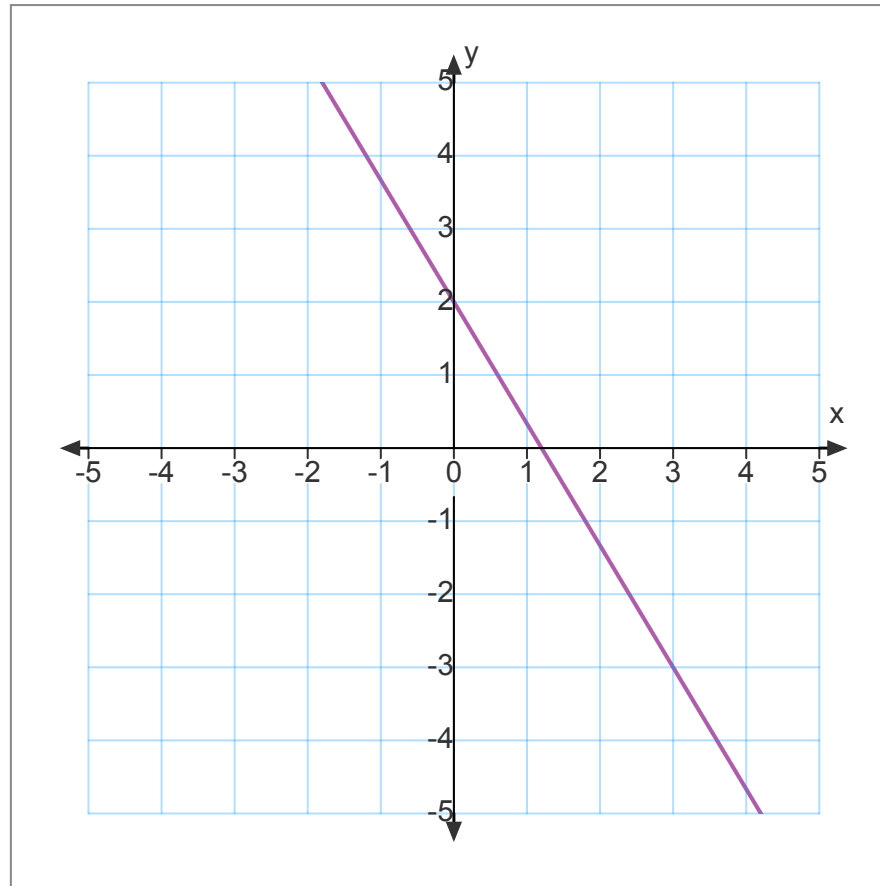
$$y = \underline{m} x + \bullet$$


The name of the following equation

$$y = \underline{m} x + \bullet$$

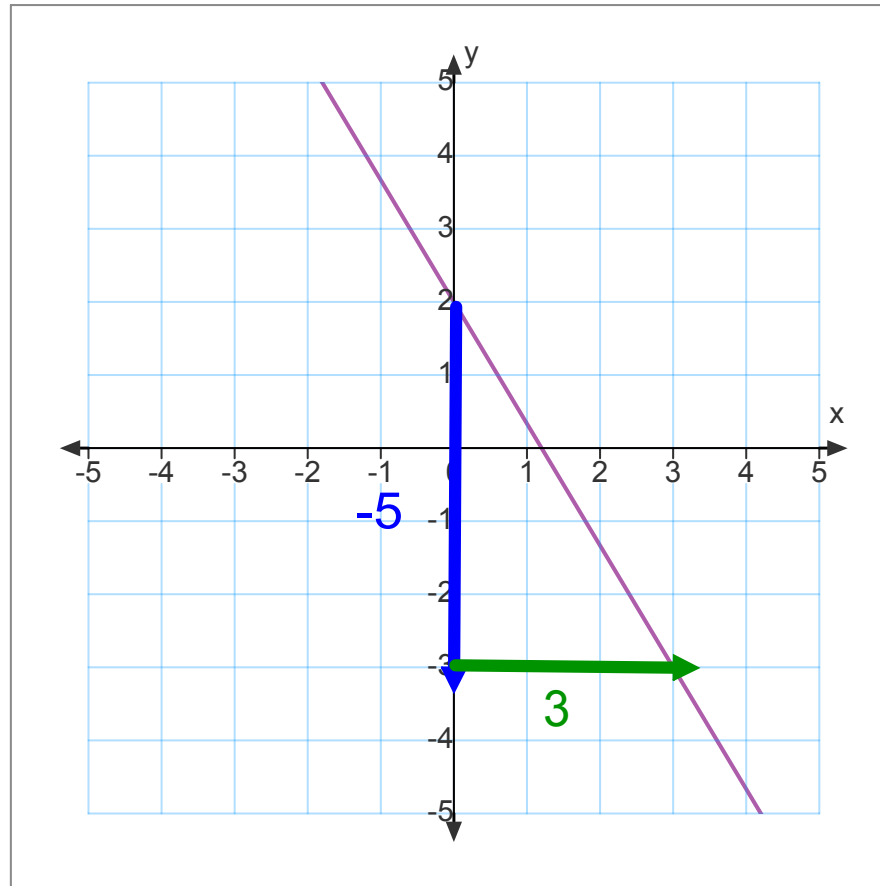
Slope-Intercept Form

What is the Slope of the Following Line?

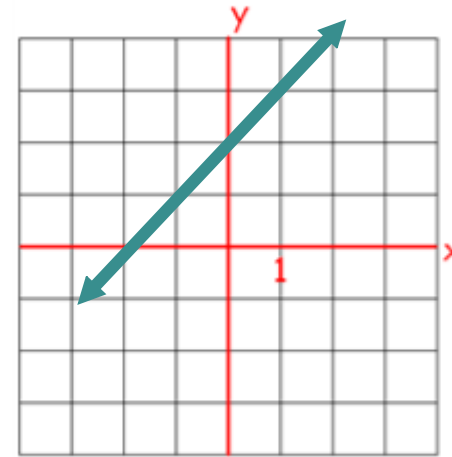
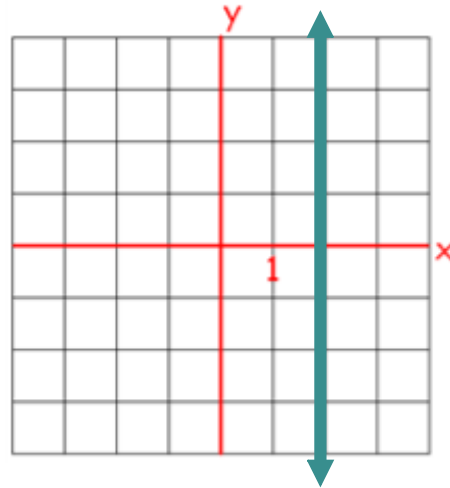
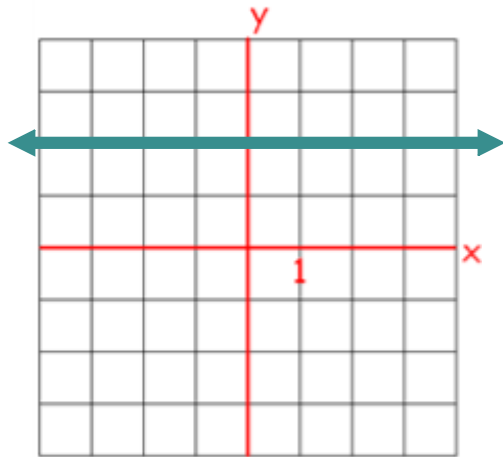


What is the Slope of the Following Line?

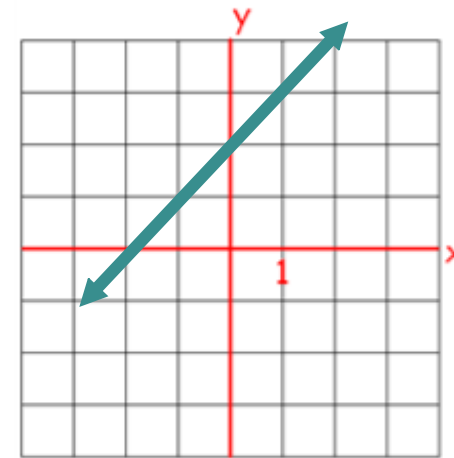
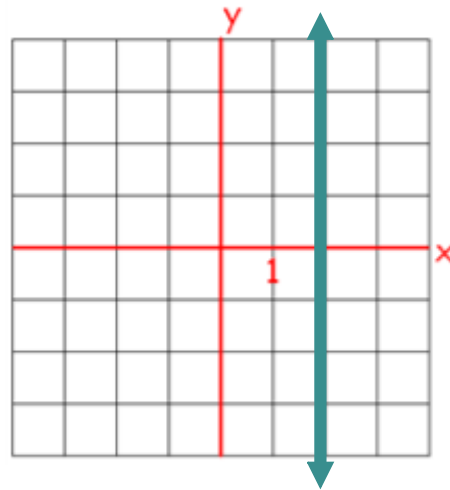
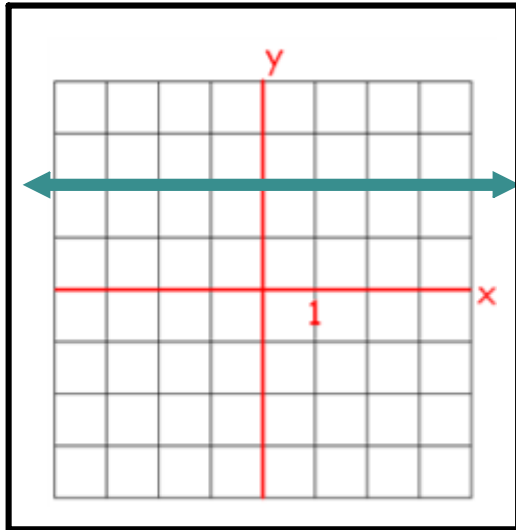
$$-\frac{5}{3}$$



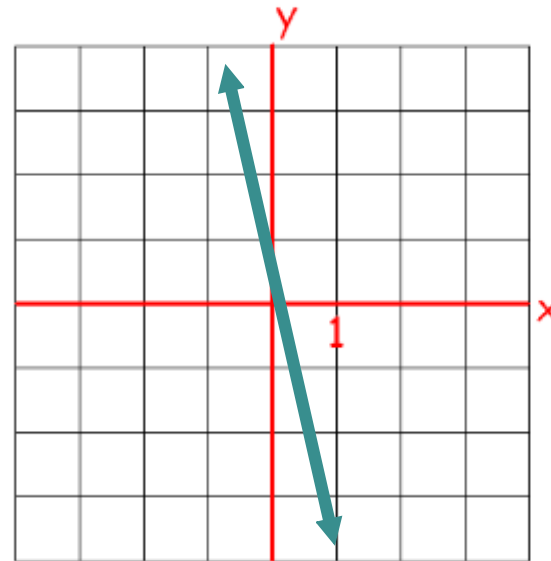
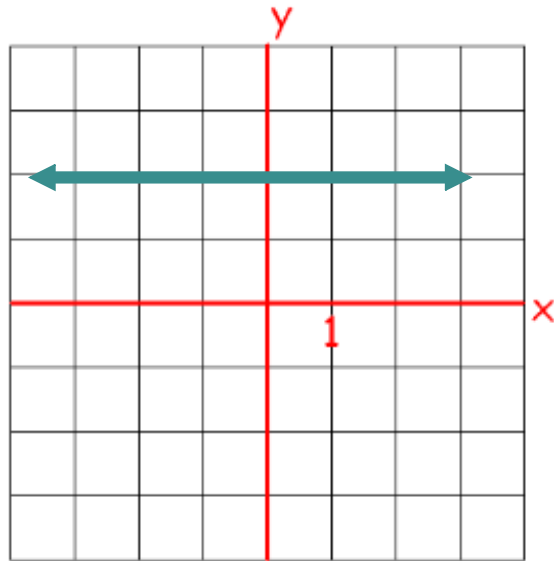
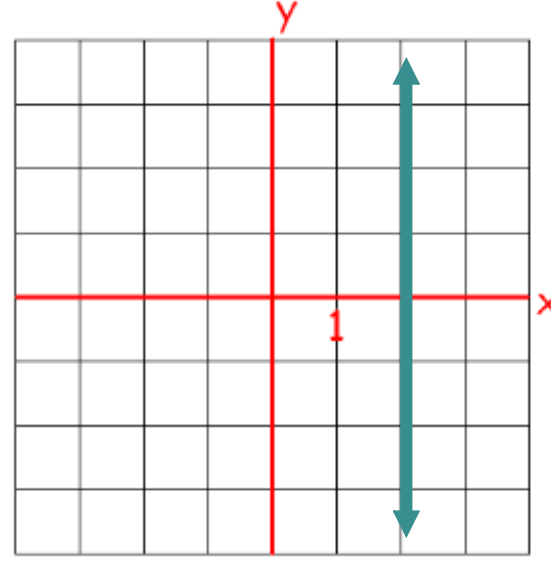
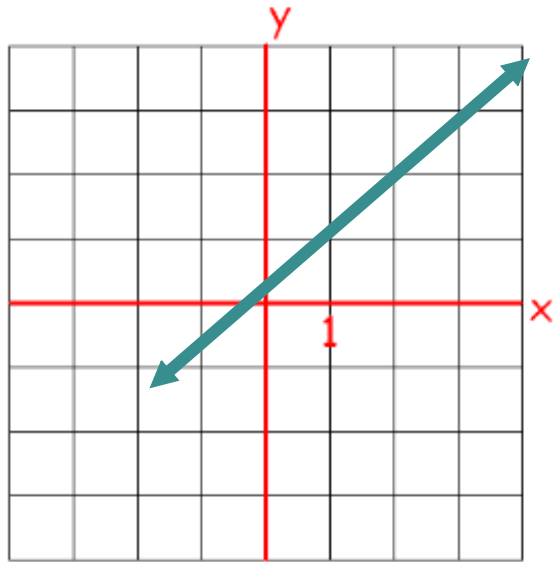
Which of the following is the graph of the equation  $y=2$ ?



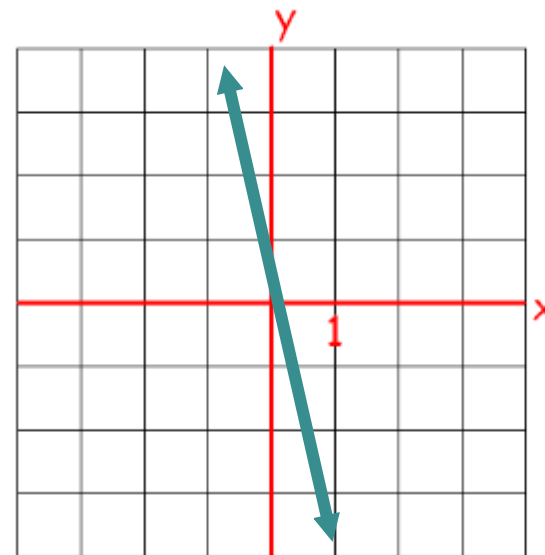
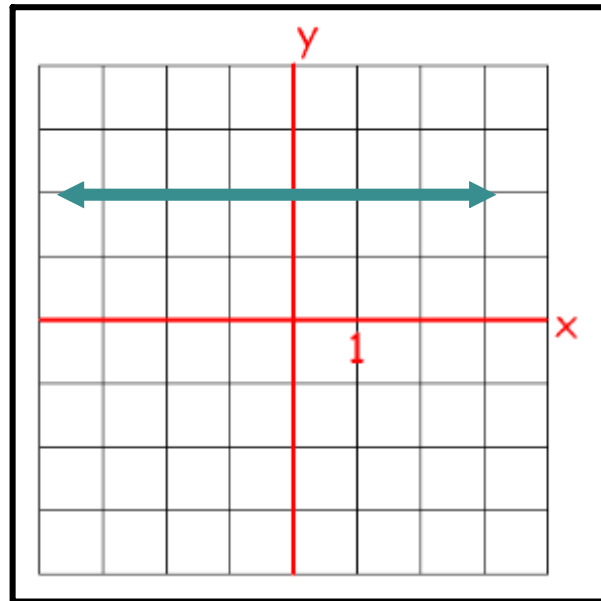
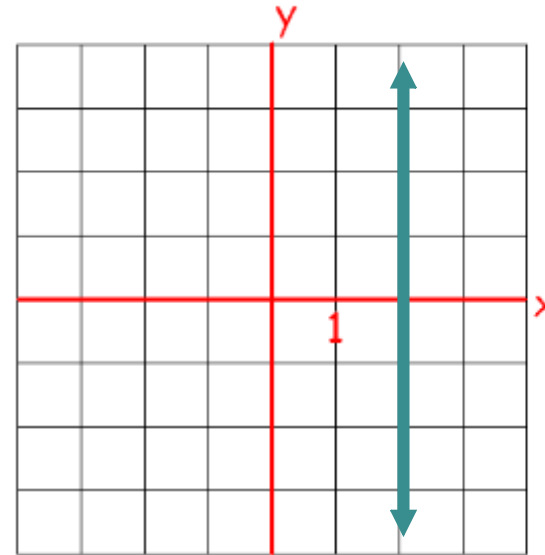
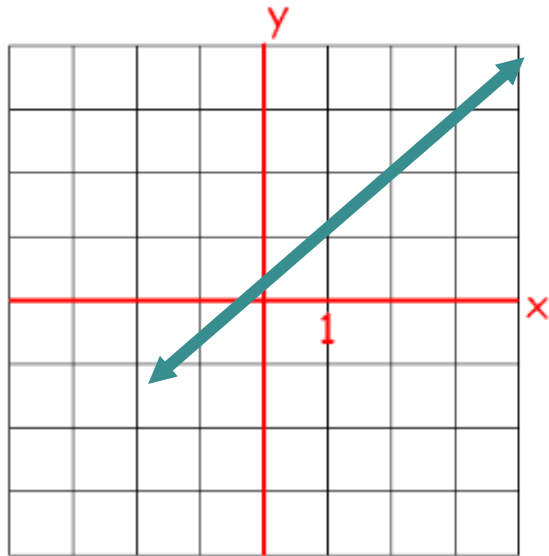
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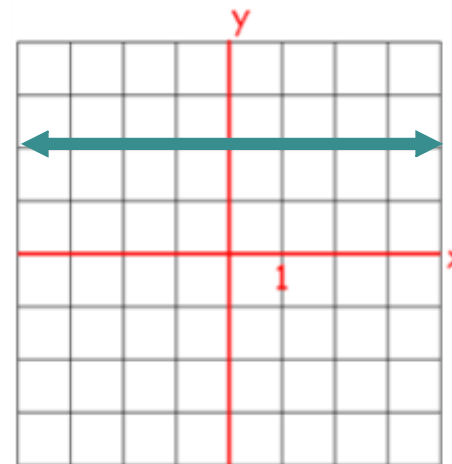
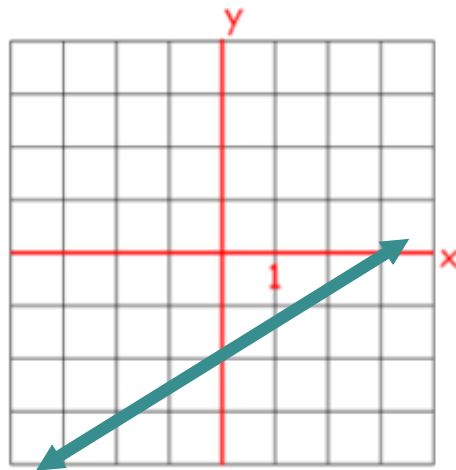
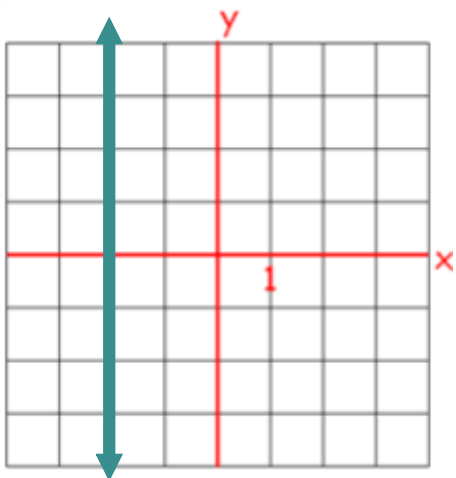
Which of the following lines has a Zero slope?



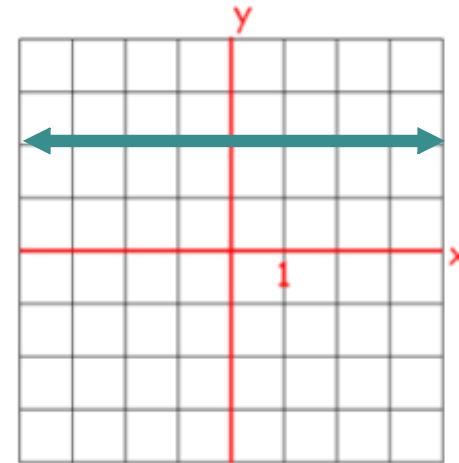
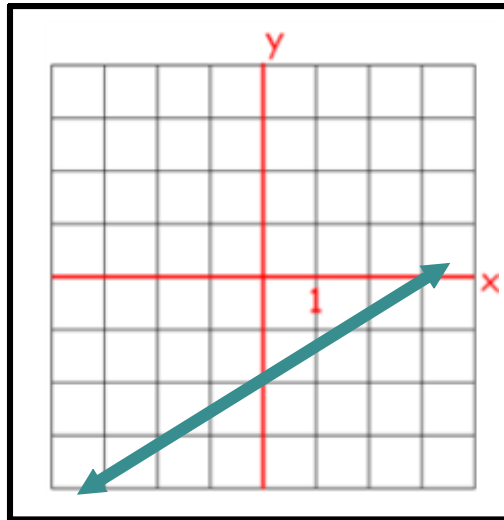
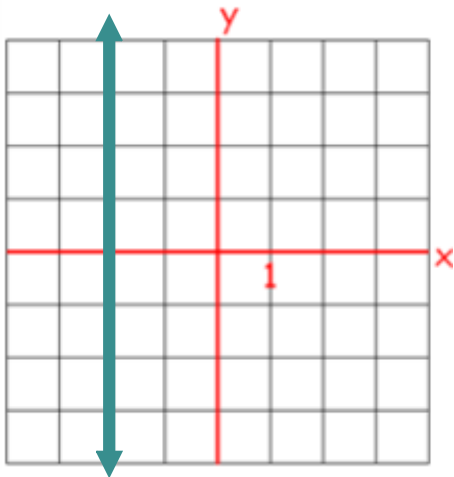
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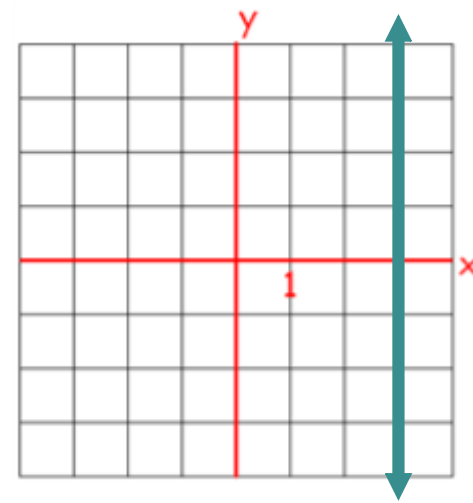
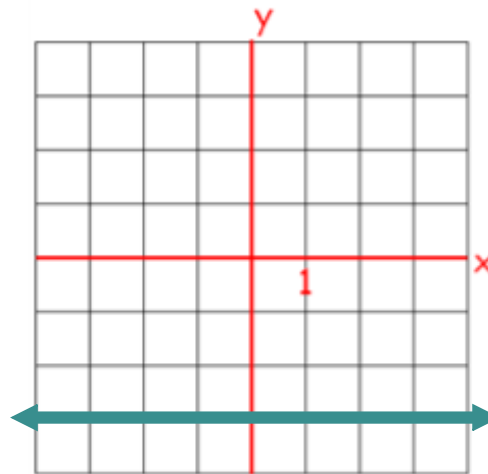
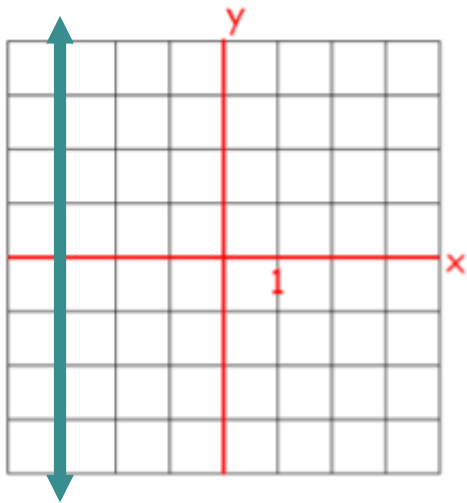
Which of the following graphs has a y-intercept of -2?



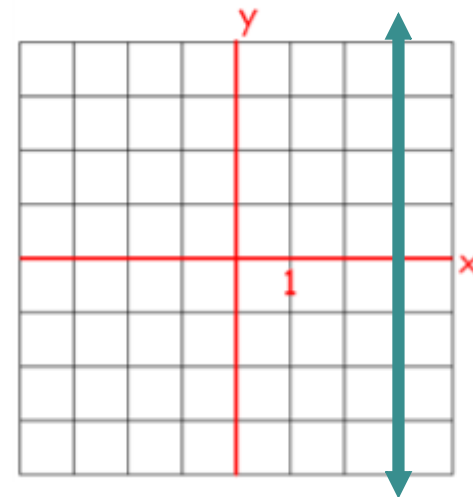
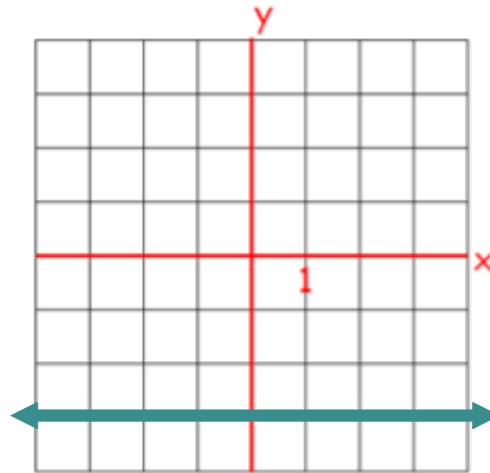
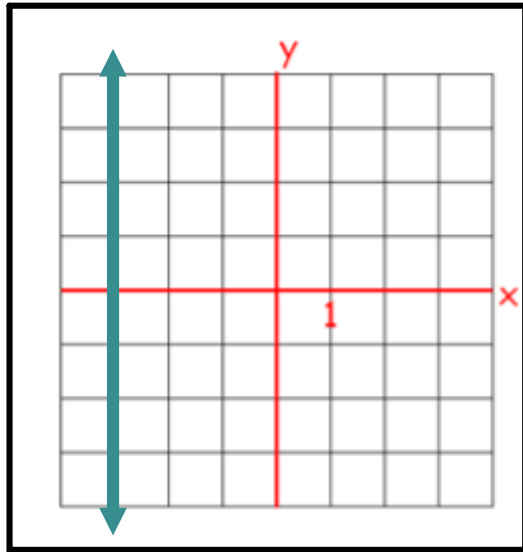
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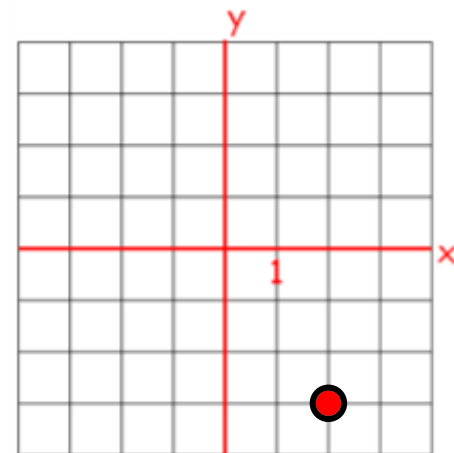
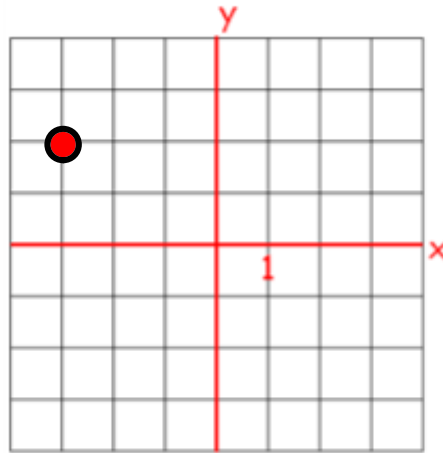
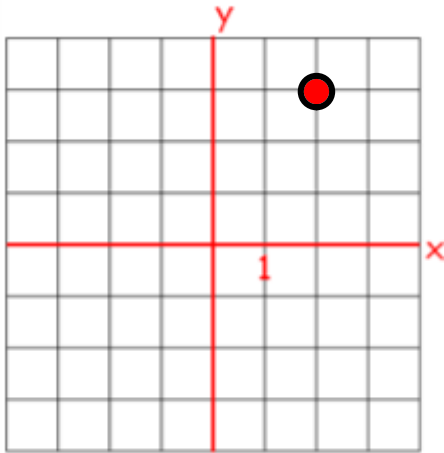
Which of the following is the graph of the equation  $x = -3$ ?



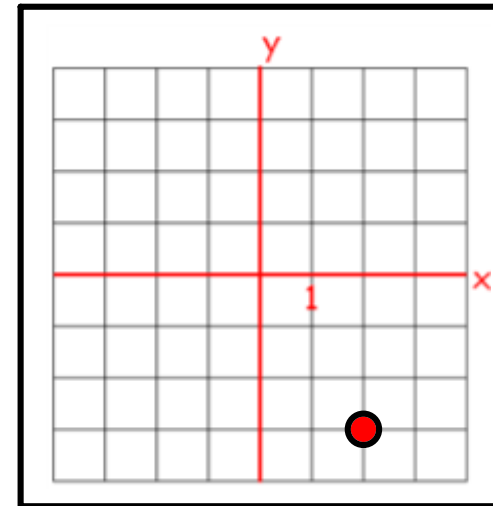
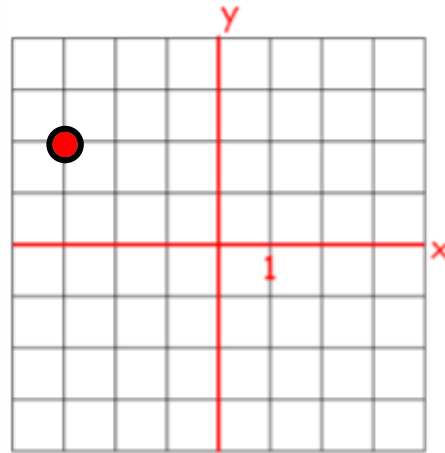
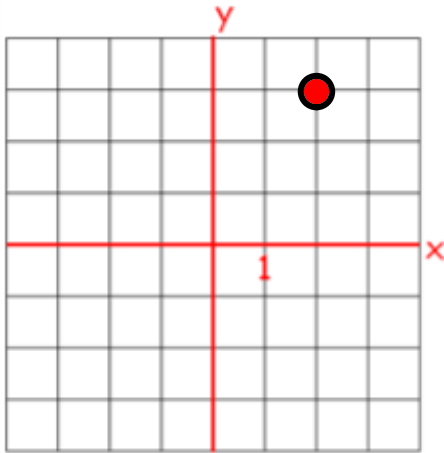
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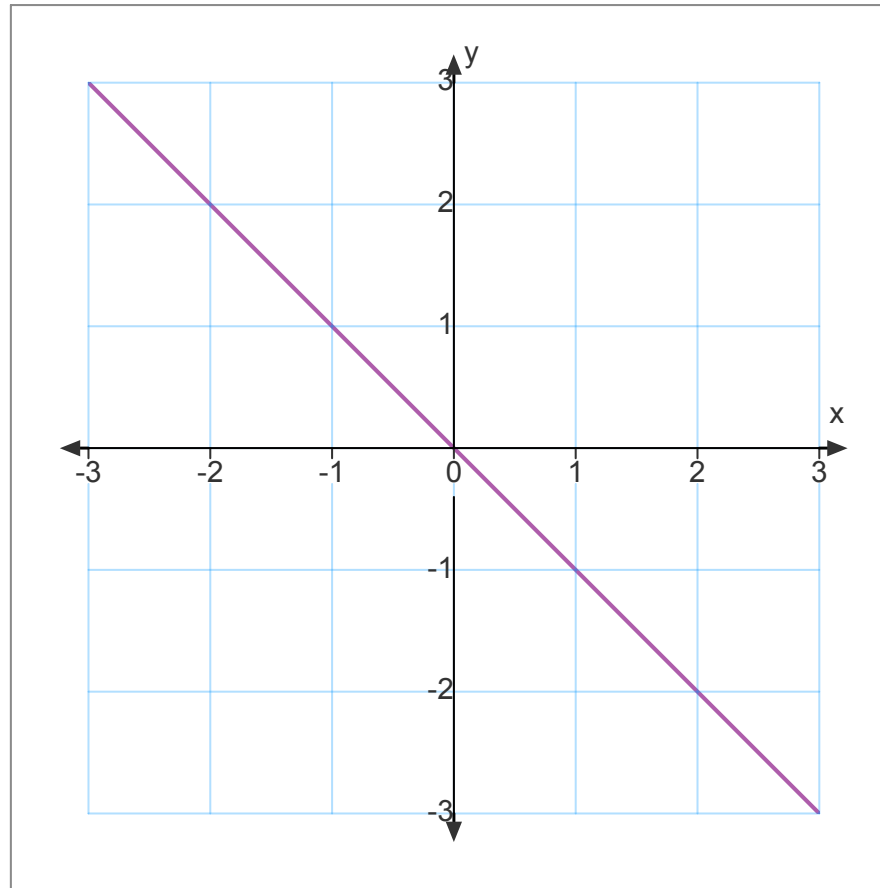
The which of the following graphs is the point  $(2, -3)$ ?



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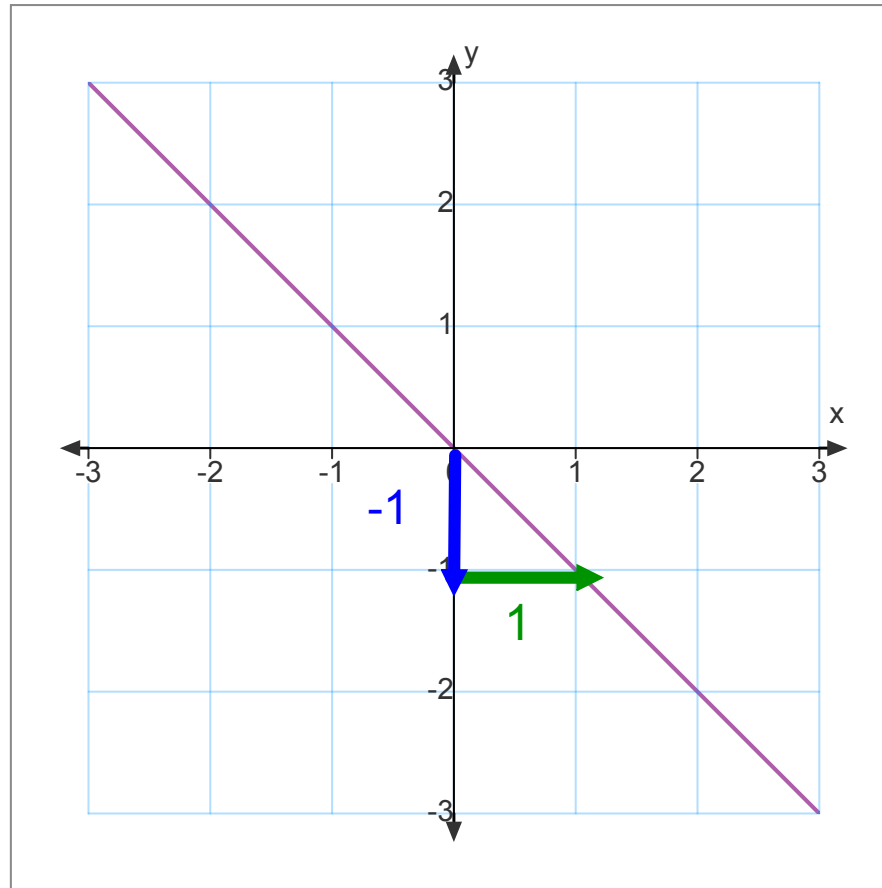
What is the Slope of the Following Line?



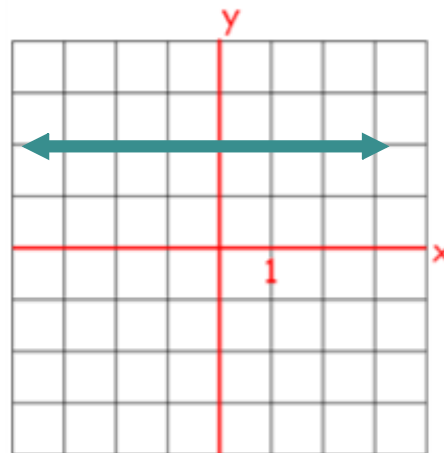
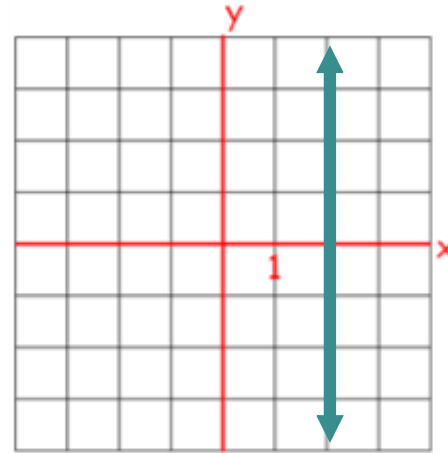
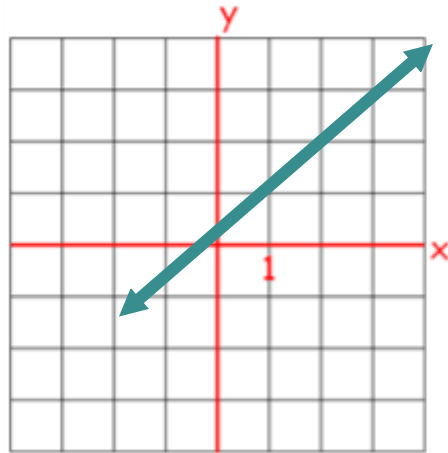
What is the Slope of the Following Line?

$$\frac{-1}{1}$$

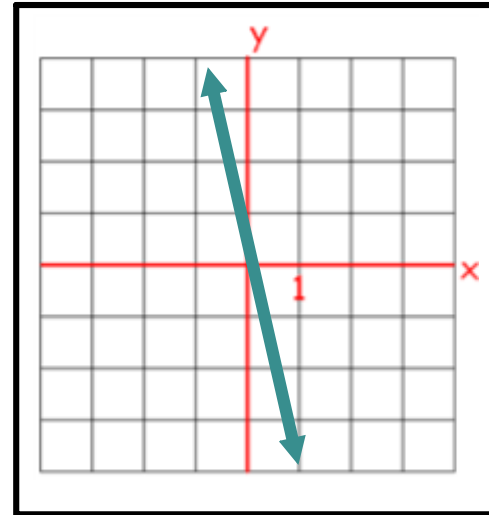
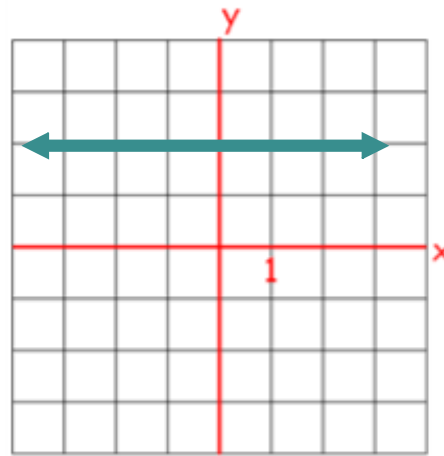
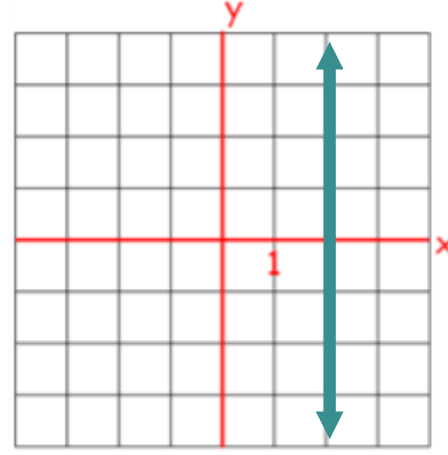
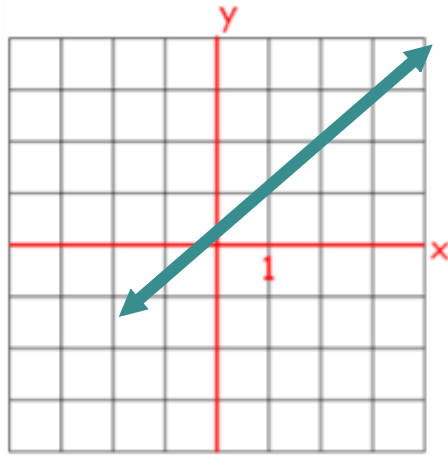
$$-1$$



Which of the following lines has a Negative slope?



Which of the following lines has a Negative slope?



Which of the following is the appropriate set-up for the point slope formula when the slope is -2 and the point on the line is (-4 , 5)?

$$y-4=-2(x-5)$$

$$y-5=2(x-(-4))$$

$$y-5=-2(x-(-4))$$

$$y-5=-2(x-4)$$

Which of the following is the appropriate set-up for the point slope formula when the slope is  $-2$  and the point on the line is  $(-4, 5)$ ?

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$$y-5=2(x-(-4))$$

$$y-5=-2(x-(-4))$$

$$y-5=-2(x-4)$$

$$y - y_1 = m(x - x_1)$$

Which of the following equations is in slope-intercept form?

$$y + 5x = -5$$

$$-y = -8x - 5$$

$$y = \frac{3}{4}x + 5$$

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$$y + 5x = -5$$

$$-y = -8x - 5$$

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What is the formula for finding the x-intercept of a line when you have  $y=mx+b$  form?

What is the formula for finding the x-intercept of a line when you have  $y=mx+b$  form?

$$x = \frac{-b}{m}$$

Which of the following lines are parallel to each other?

$$y = 2x + 4 \quad y = -2x - 3$$

$$y = -x - 3 \quad y = 3 + 2x$$

Which of the following lines are parallel to each other?

$$y = 2x + 4$$

$$y = -2x - 3$$

$$y = -x - 3$$

$$y = 3 + 2x$$

Parallel Lines Have the Same Slope

Which of the following lines are perpendicular to each other?

$$y = -\frac{2}{3}x + 5$$

$$y = \frac{2}{3}x - 5$$

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

$$y = \frac{2}{3}x - 5$$

Which of the following lines are perpendicular to each other?

$$y = -\frac{2}{3}x + 5$$

$$y = \frac{2}{3}x - 5$$

Perpendicular Lines Have the Opposite Reciprocal Slopes

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

$$y = \frac{2}{3}x - 5$$