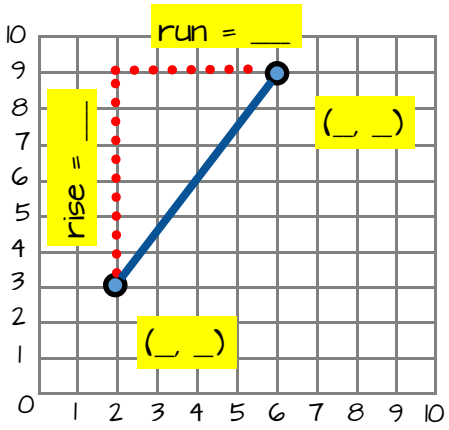
Slope

I can solve problems involving slope as rise over run and as rate of change.

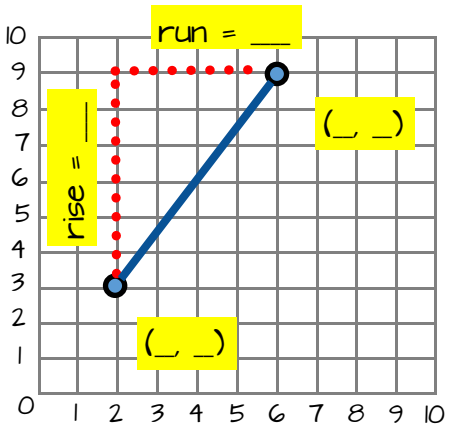
Name _____



Slope

I can solve problems involving slope as rise over run and as rate of change.

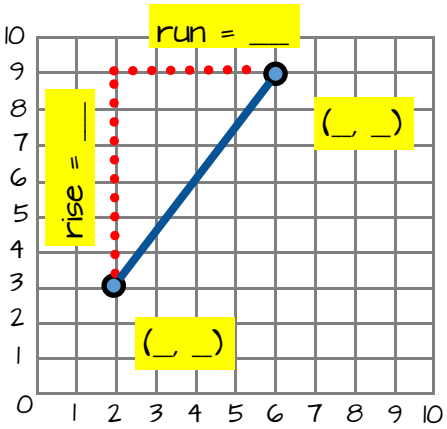
Name _____



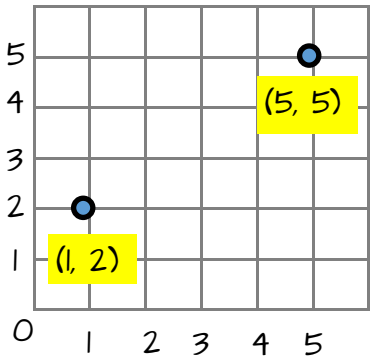
Slope

I can solve problems involving slope as rise over run and as rate of change.

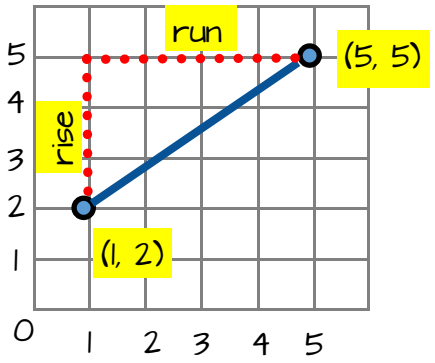
Name _____



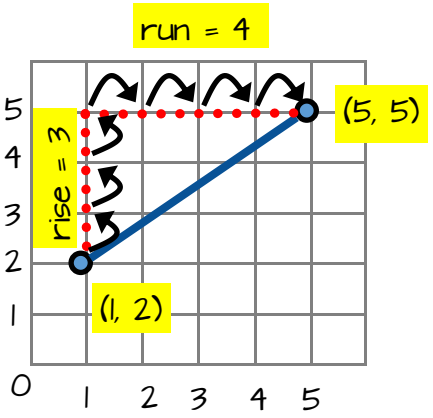
1. Find the slope



Label the coordinates.



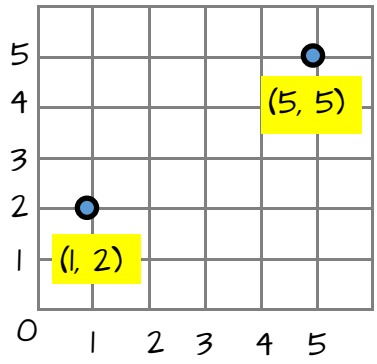
Draw the change in vertical distance (rise) and the horizontal distance (run).



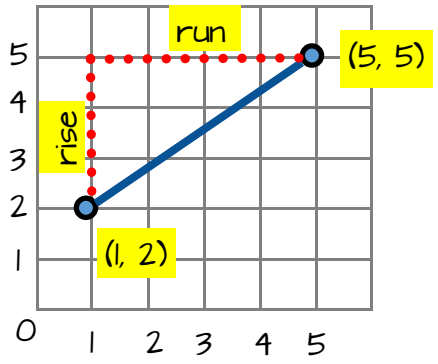
Find the rise.

Find the run.

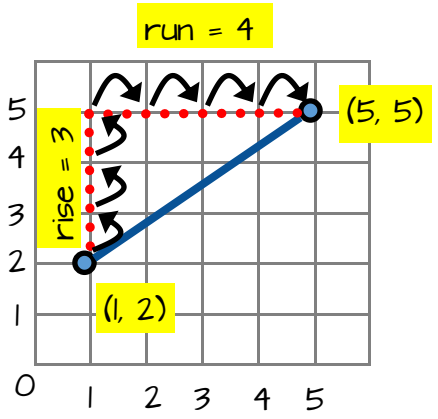
1. Find the slope



Label the coordinates.



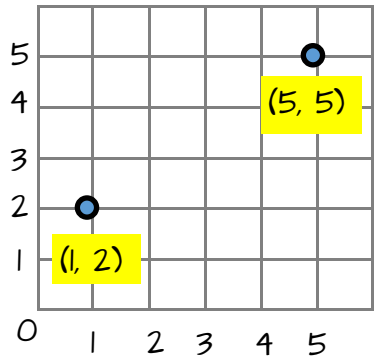
Draw the change in vertical distance (rise) and the horizontal distance (run).



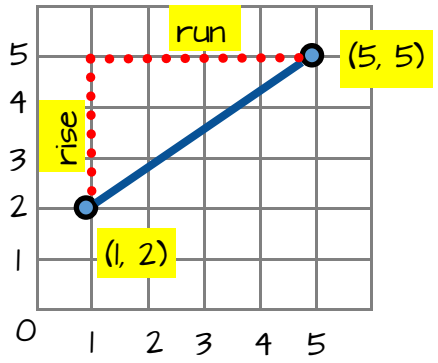
Find the rise.

Find the run.

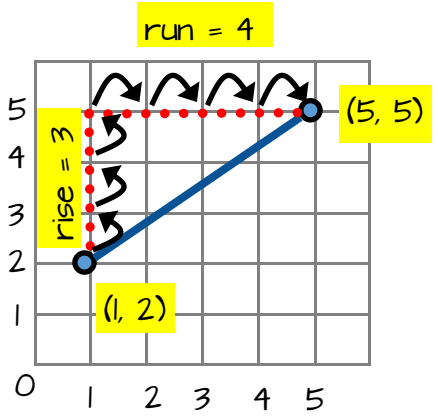
1. Find the slope



Label the coordinates.



Draw the change in vertical distance (rise) and the horizontal distance (run).



Find the rise.

Find the run.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 = 5$

$y_1 = 2$

Δx

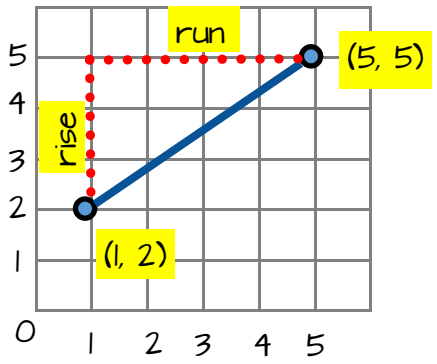
$x_2 = 5$

$x_1 = 1$

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(5 - 2)}{(5 - 1)}$$

$$\text{Slope} = \frac{3}{4}$$



The slope of the line is ¾.

For every rise of three there is a run of four.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 = 5$

$y_1 = 2$

Δx

$x_2 = 5$

$x_1 = 1$

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

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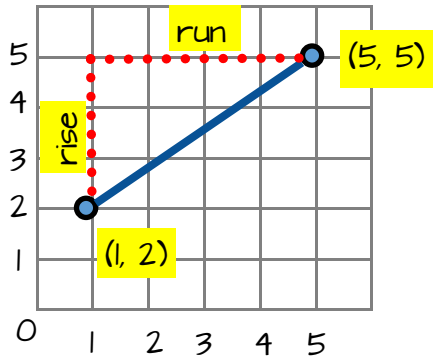

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For every rise of three there is a run of four.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

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$y_2 = 5$

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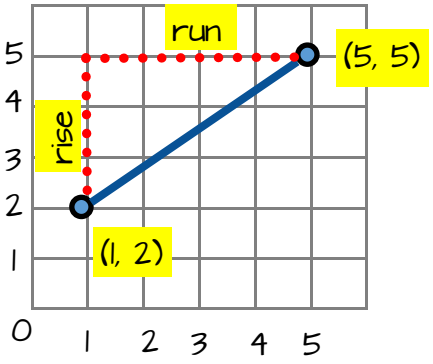
$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(5 - 2)}{(5 - 1)}$$

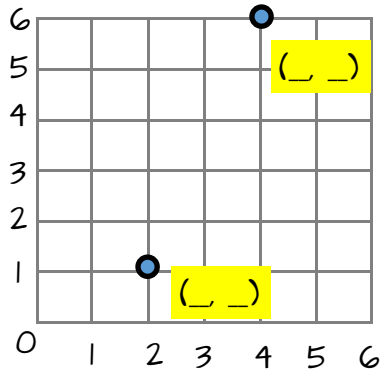
$$\text{Slope} = \frac{3}{4}$$



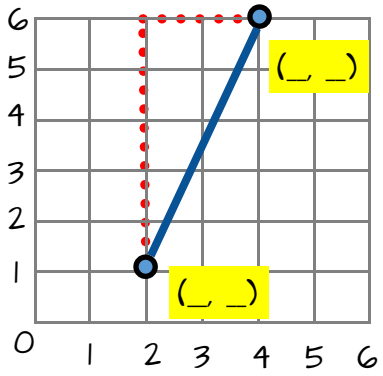
The slope of the line is ¾.

For every rise of three there is a run of four.

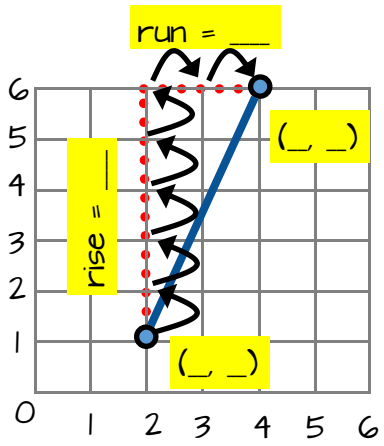
2. Find the slope



Label the coordinates.



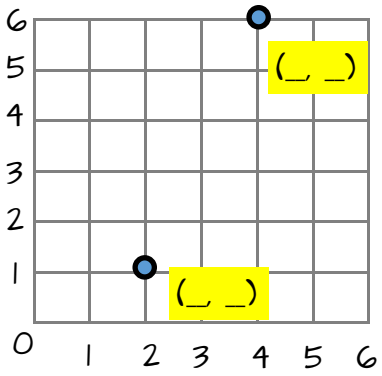
Draw the change in vertical distance (rise) and the horizontal distance (run).



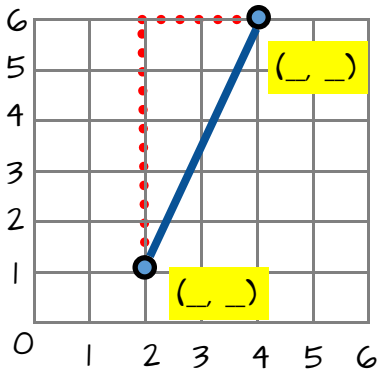
Find the rise.

Find the run.

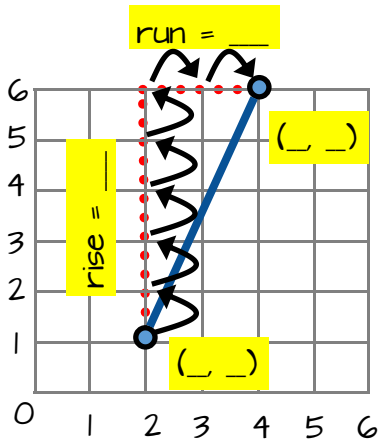
2. Find the slope



Label the coordinates.



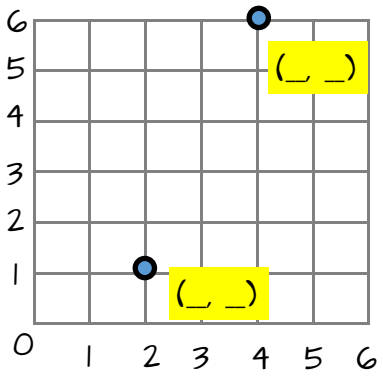
Draw the change in vertical distance (rise) and the horizontal distance (run).



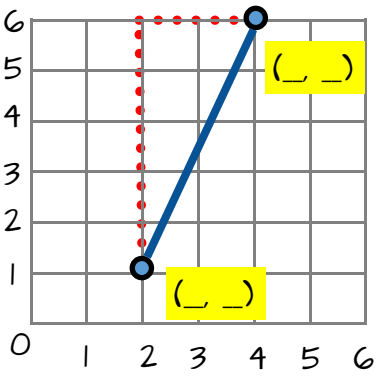
Find the rise.

Find the run.

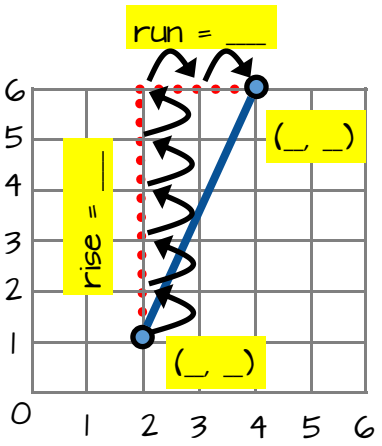
2. Find the slope



Label the coordinates.



Draw the change in vertical distance (rise) and the horizontal distance (run).



Find the rise.

Find the run.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 =$ ___

$y_1 =$ ___

Δx

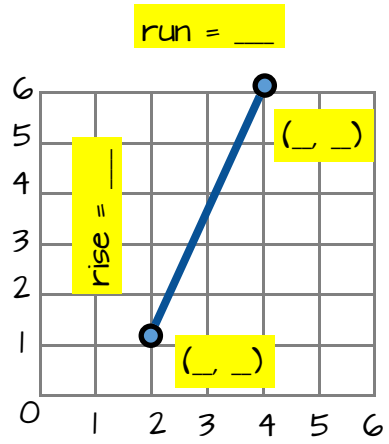
$x_2 =$ ___

$x_1 =$ ___

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(\_\_ - \_\_)}{(\_\_ - \_\_)}$$

$$\text{Slope} = \frac{\_\_}{\_\_}$$



The slope of the line is .

For every rise of ____ there is a run of ____.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 =$ ___

$y_1 =$ ___

Δx

$x_2 =$ ___

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$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

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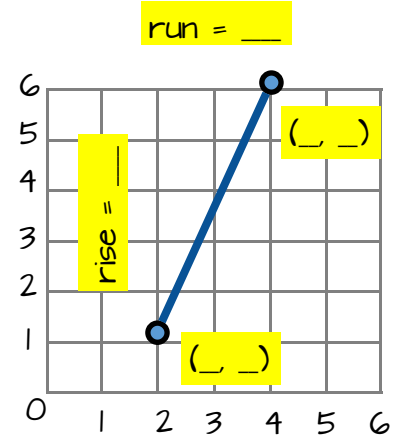

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Change in y (rise)

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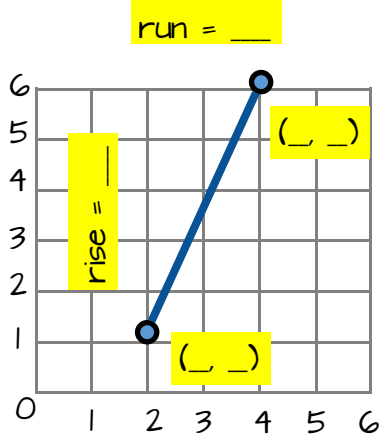
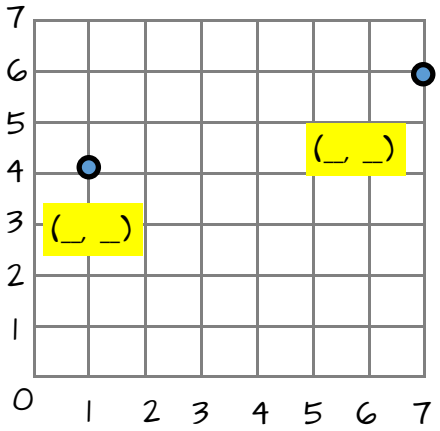
$$\text{Slope} = \frac{\_\_}{\_\_}$$



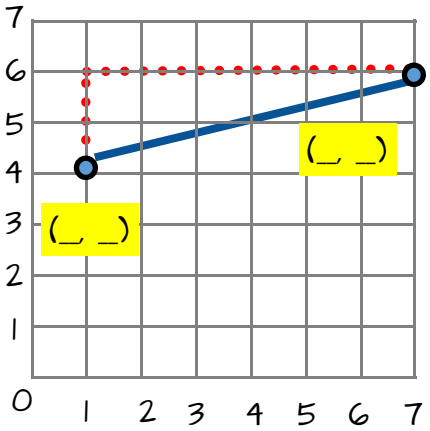
The slope of the line is .

For every rise of ____ there is a run of ____.

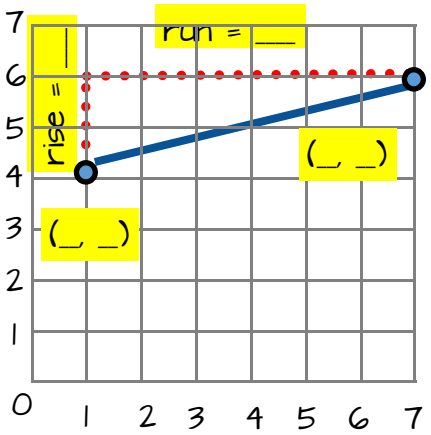
3. Find the slope



Label the coordinates.



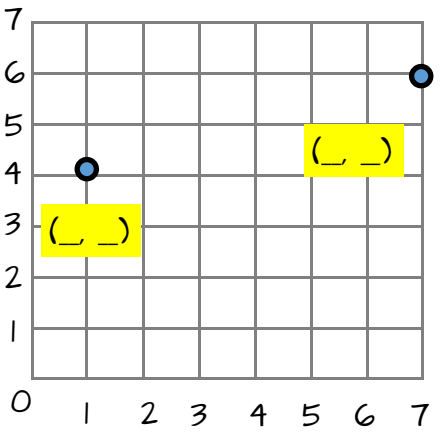
Draw the change in vertical distance (rise) and the horizontal distance (run).



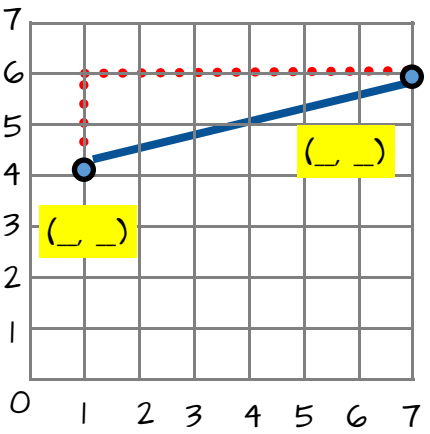
Find the rise.

Find the run.

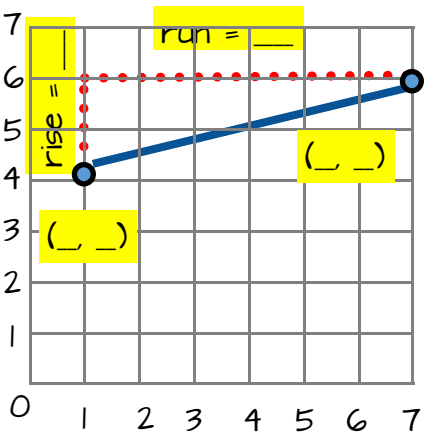
3. Find the slope



Label the coordinates.



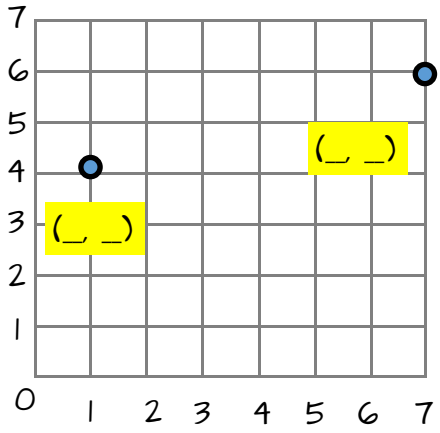
Draw the change in vertical distance (rise) and the horizontal distance (run).



Find the rise.

Find the run.

3. Find the slope



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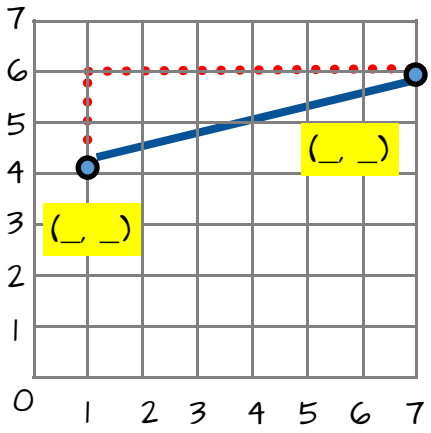

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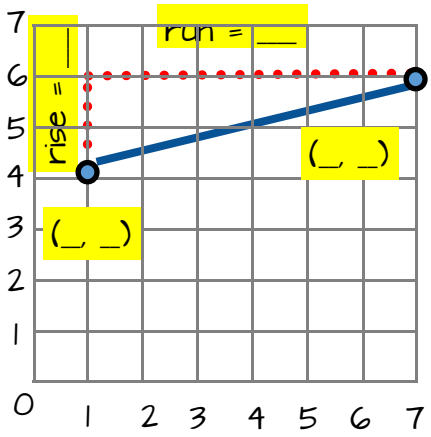


Find the rise.

Find the run.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

y_2 = ___

y_1 = ___

Δx

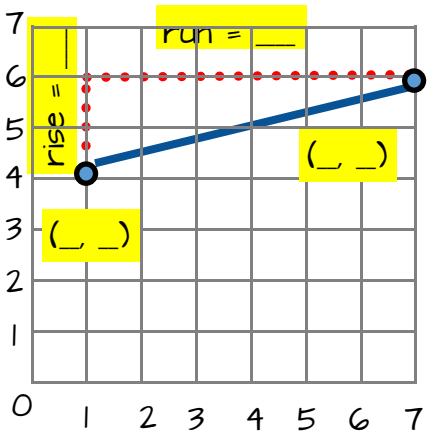
x_2 = ___

x_1 = ___

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(\_\_ - \_\_)}{(\_\_ - \_\_)}$$

$$\text{Slope} = \frac{\_\_}{\_\_}$$



The slope of the line is .

For every rise of ____ there is a run of ____.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

y_2 = ___

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x_2 = ___

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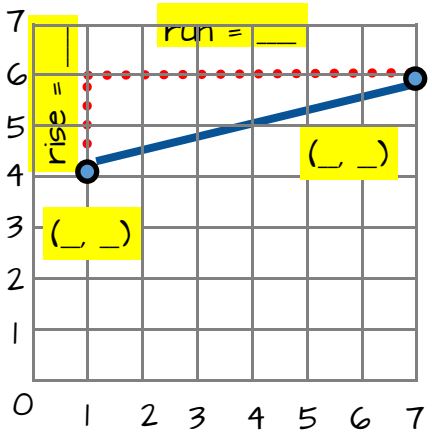

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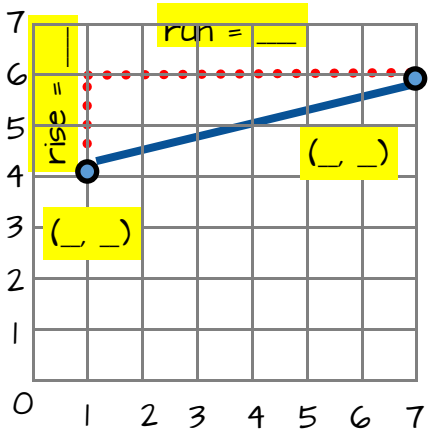
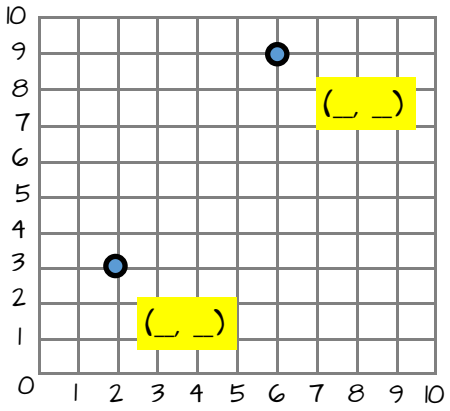


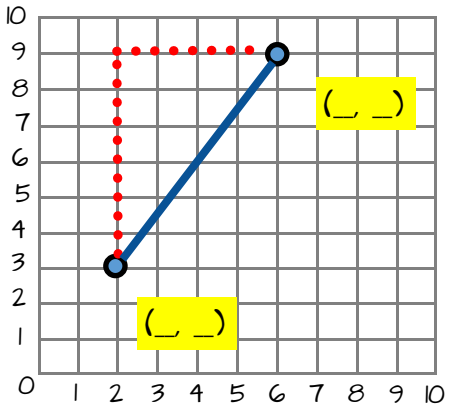
The slope of the line is .

For every rise of ____ there is a run of ____.

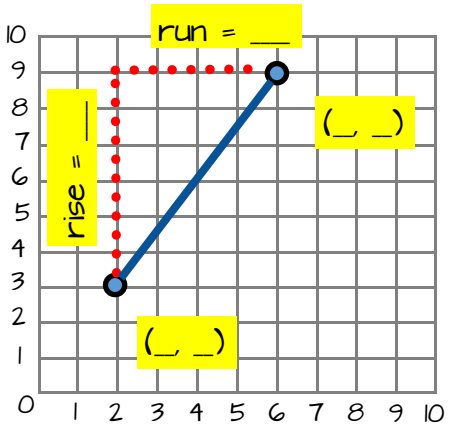
4. Find the slope



Label the coordinates.



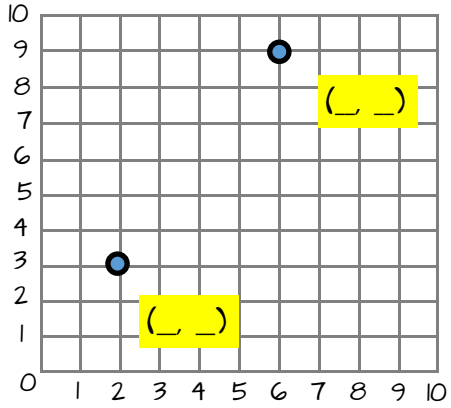
Draw the change in vertical distance (rise) and the horizontal distance (run).



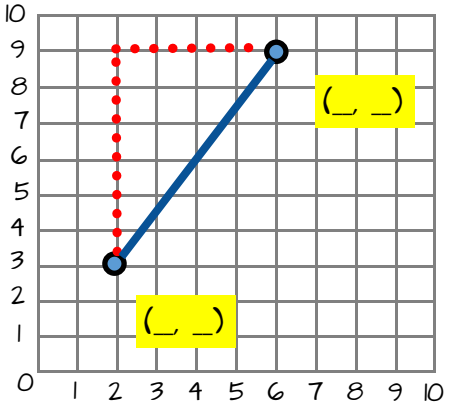
Find the rise.

Find the run.

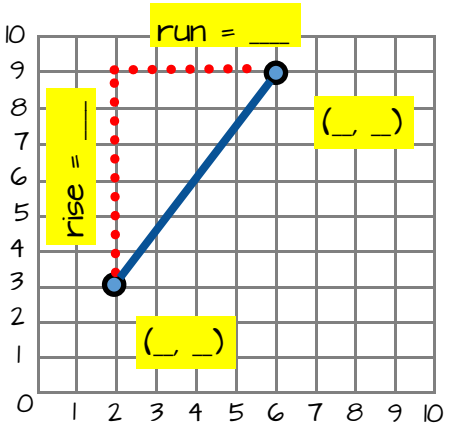
4. Find the slope



Label the coordinates.



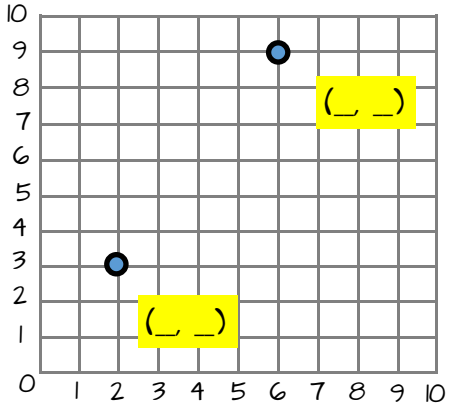
Draw the change in vertical distance (rise) and the horizontal distance (run).



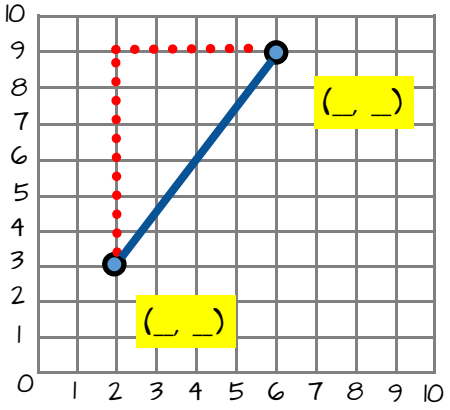
Find the rise.

Find the run.

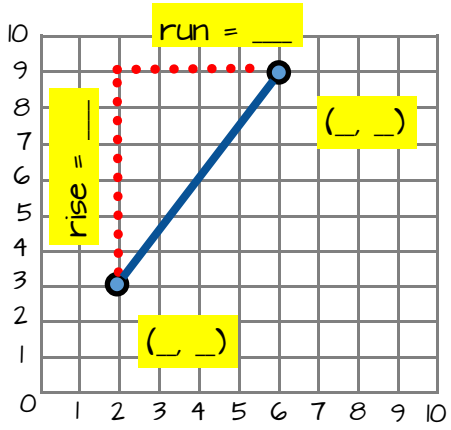
4. Find the slope



Label the coordinates.



Draw the change in vertical distance (rise) and the horizontal distance (run).



Find the rise.

Find the run.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 =$ ___

$y_1 =$ ___

Δx

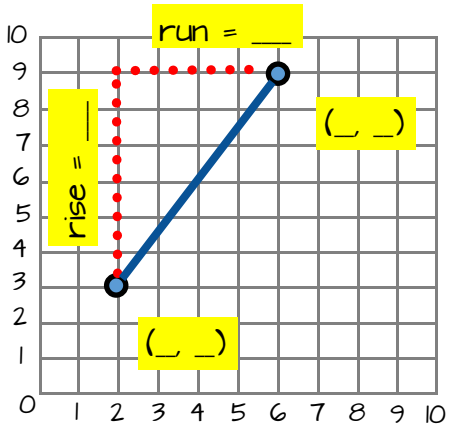
$x_2 =$ ___

$x_1 =$ ___

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(\_\_ - \_\_)}{(\_\_ - \_\_)}$$

$$\text{Slope} = \frac{\_\_}{\_\_}$$



The slope of the line is .

For every rise of ____ there is a run of ____.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 =$ ___

$y_1 =$ ___

Δx

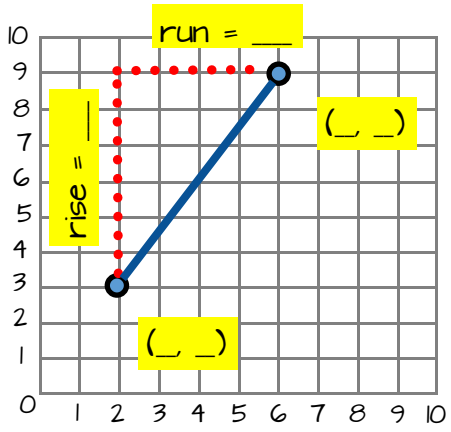
$x_2 =$ ___

$x_1 =$ ___

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(\_\_ - \_\_)}{(\_\_ - \_\_)}$$

$$\text{Slope} = \frac{\_\_}{\_\_}$$



The slope of the line is .

For every rise of ____ there is a run of ____.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 =$ ___

$y_1 =$ ___

Δx

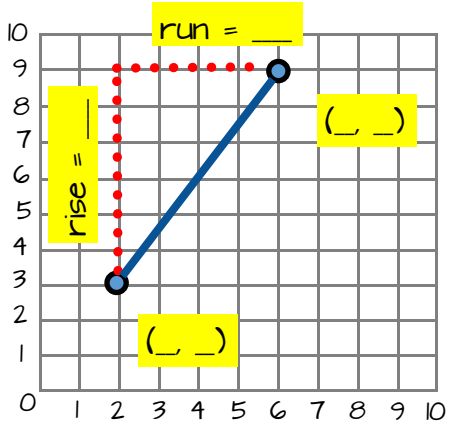
$x_2 =$ ___

$x_1 =$ ___

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(\_\_ - \_\_)}{(\_\_ - \_\_)}$$

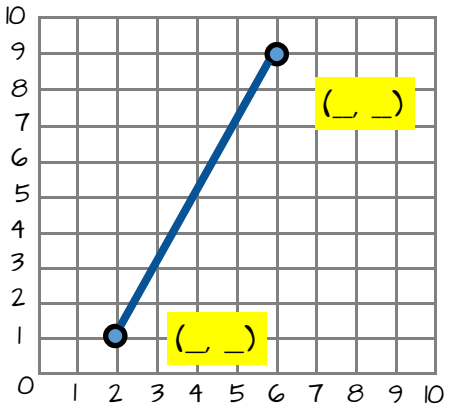
$$\text{Slope} = \frac{\_\_}{\_\_}$$



The slope of the line is .

For every rise of ____ there is a run of ____.

5. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

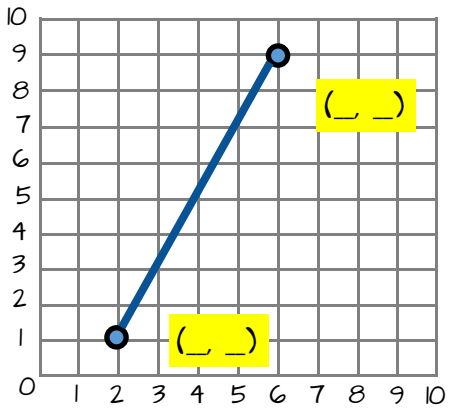
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

5. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

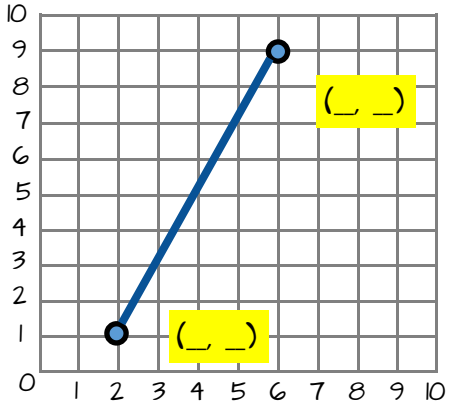
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

5. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

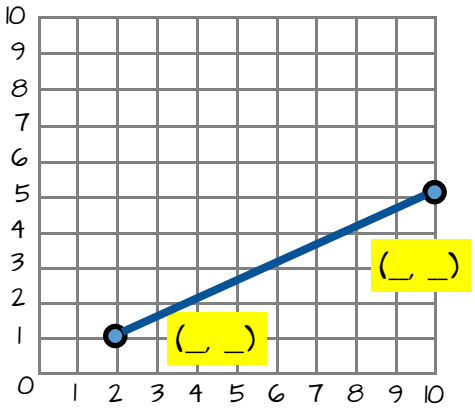
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

6. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

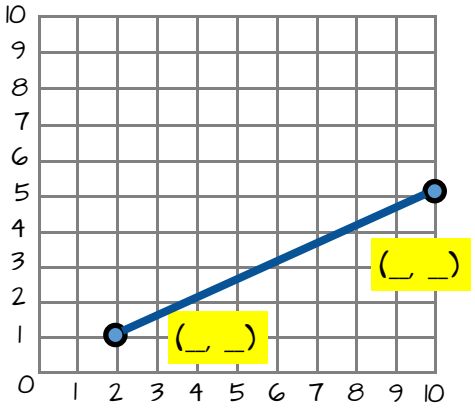
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

6. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

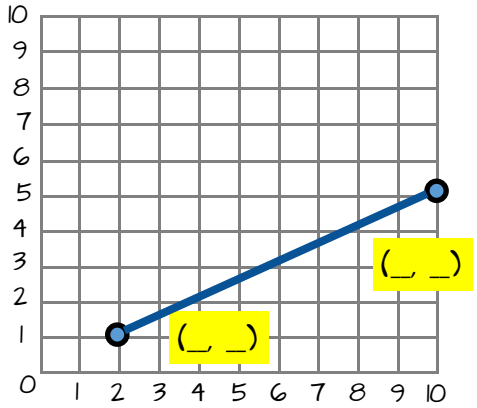
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

6. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

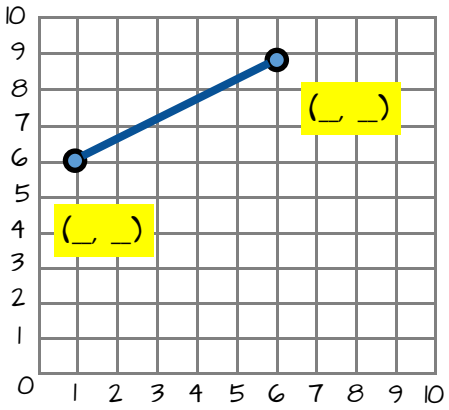
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

7. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

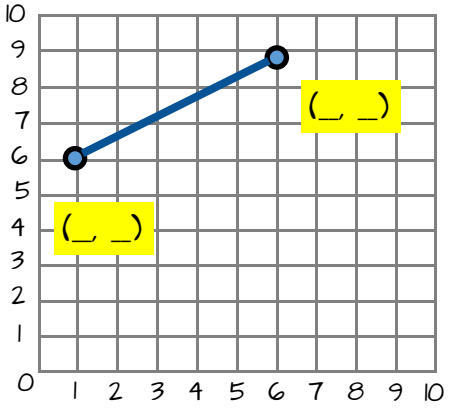
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

7. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

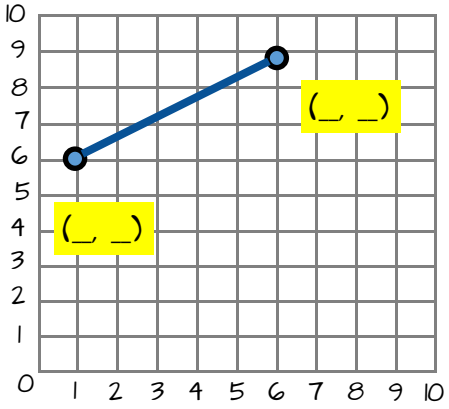
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

7. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

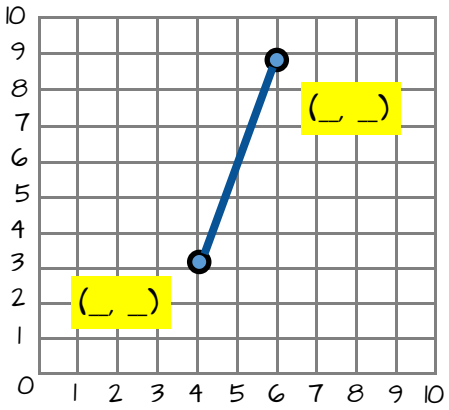
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

8. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

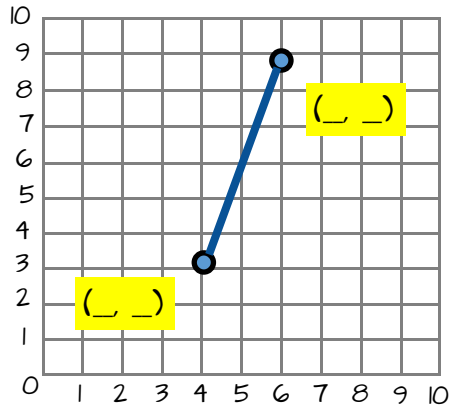
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

8. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

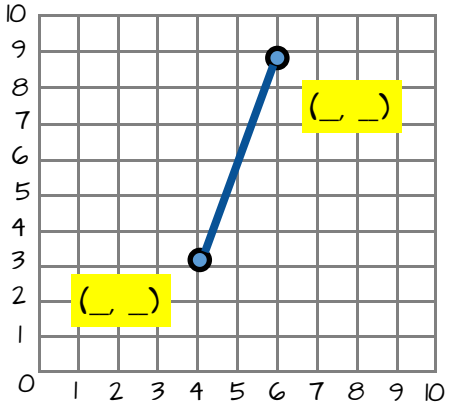
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

8. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

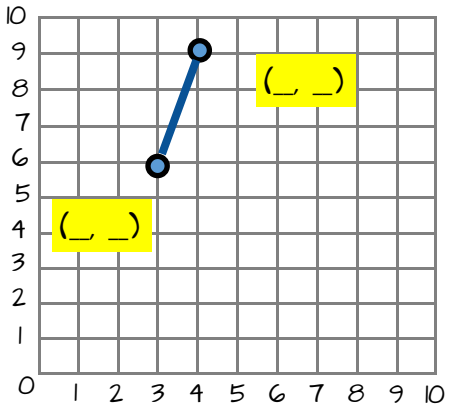
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

9. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

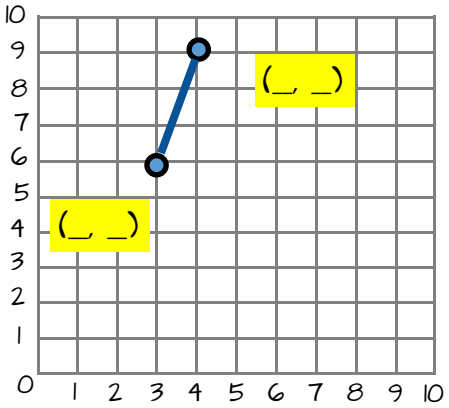
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\qquad)}{(\qquad)}$

Slope =

9. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

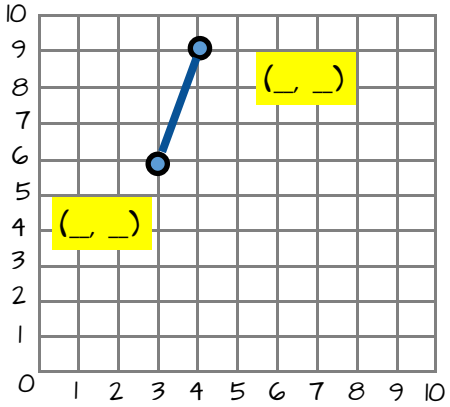
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\qquad)}{(\qquad)}$

Slope =

9. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

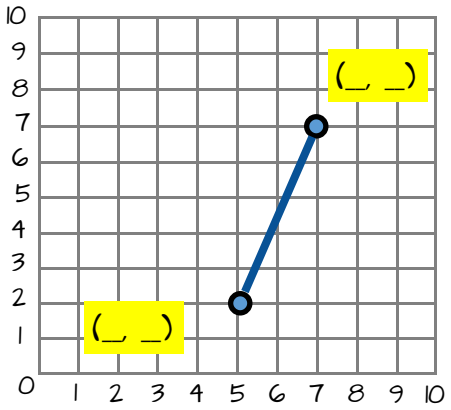
x_1 = ___

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\qquad)}{(\qquad)}$

Slope =

10. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

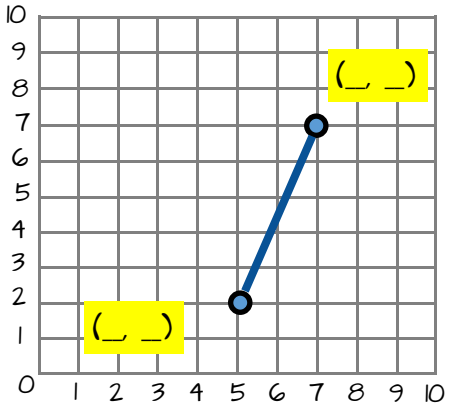
x_1 = ___

Slope = $\dfrac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\dfrac{(\qquad)}{(\qquad)}$

Slope =

10. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

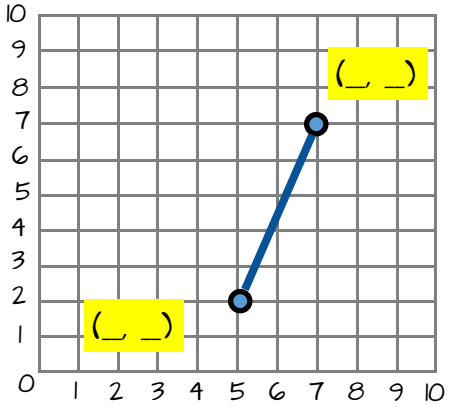
x_1 = ___

Slope = $\dfrac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\dfrac{(\qquad)}{(\qquad)}$

Slope =

10. Find the slope



Δy

y_2 = ___

y_1 = ___

Δx

x_2 = ___

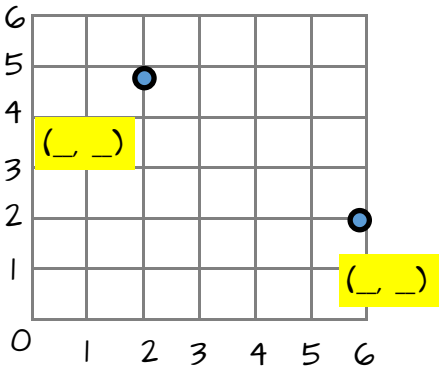
x_1 = ___

Slope = $\dfrac{(y_2 - y_1)}{(x_2 - x_1)}$

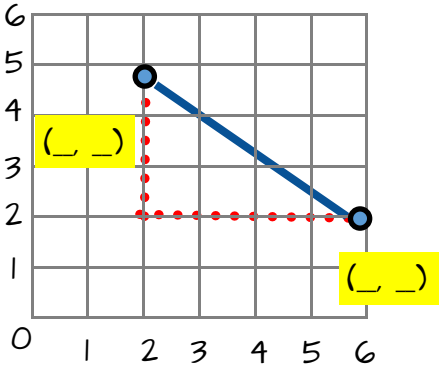
Slope = $\dfrac{(\qquad)}{(\qquad)}$

Slope =

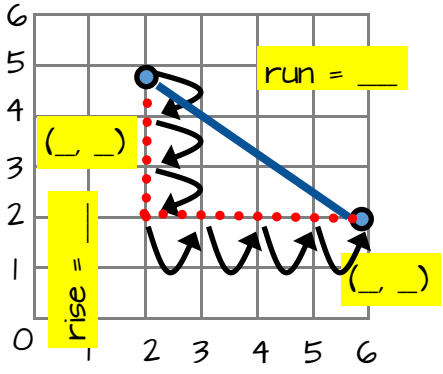
Negative slope



Label the coordinates.

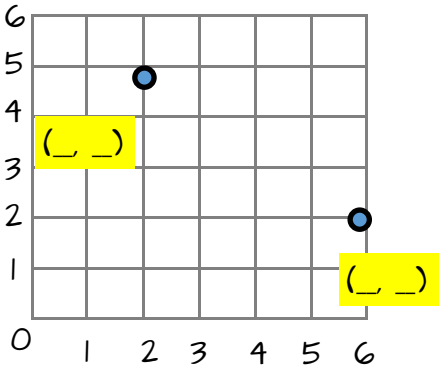


Draw the change in vertical distance (rise) and the horizontal distance (run).

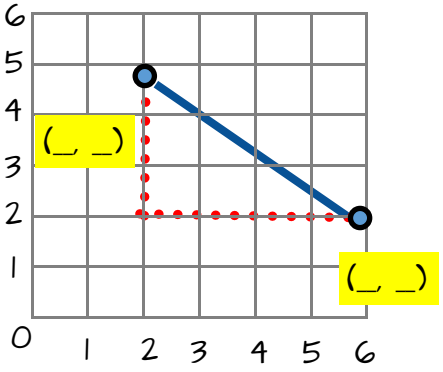


This slope is going down towards the right. It is a negative slope. The rise is -3 and the run is 4.

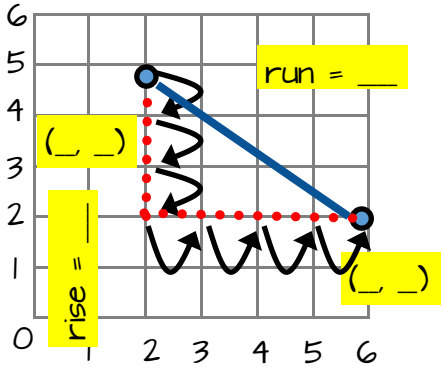
Negative slope



Label the coordinates.

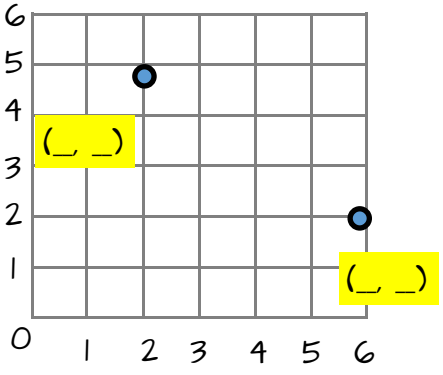


Draw the change in vertical distance (rise) and the horizontal distance (run).

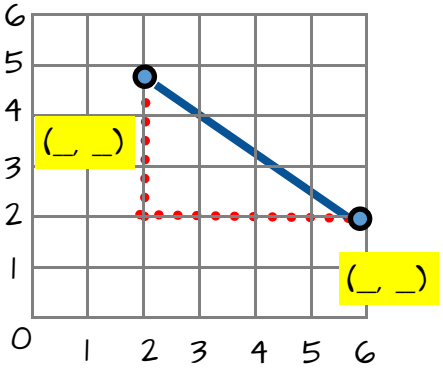


This slope is going down towards the right. It is a negative slope. The rise is -3 and the run is 4.

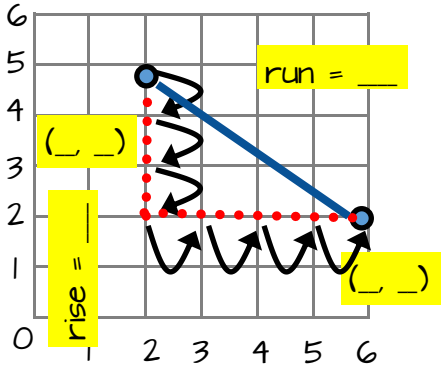
Negative slope



Label the coordinates.



Draw the change in vertical distance (rise) and the horizontal distance (run).



This slope is going down towards the right. It is a negative slope. The rise is -3 and the run is 4.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 = 2$

$y_1 = 5$

Δx

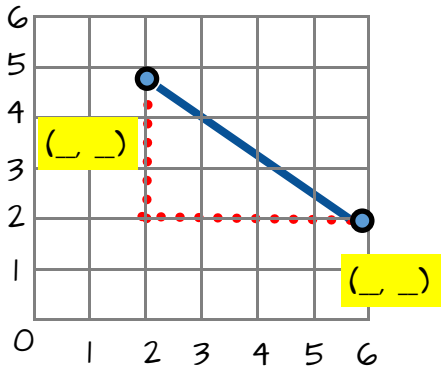
$x_2 = 6$

$x_1 = 2$

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(2 - 5)}{(6 - 2)}$$

$$\text{Slope} = \frac{-3}{4}$$



The slope of the line is .

For every rise of ____ there is a run of ____.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 = 2$

$y_1 = 5$

Δx

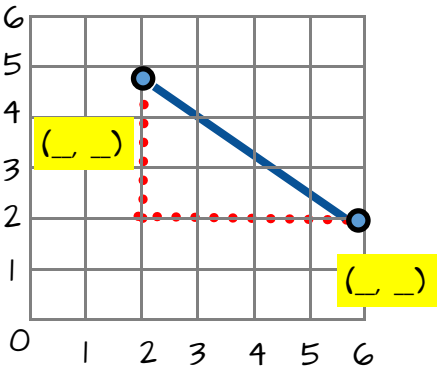
$x_2 = 6$

$x_1 = 2$

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(2 - 5)}{(6 - 2)}$$

$$\text{Slope} = \frac{-3}{4}$$



The slope of the line is .

For every rise of ____ there is a run of ____.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 = 2$

$y_1 = 5$

Δx

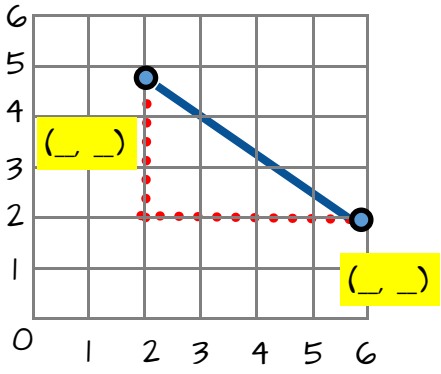
$x_2 = 6$

$x_1 = 2$

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(2 - 5)}{(6 - 2)}$$

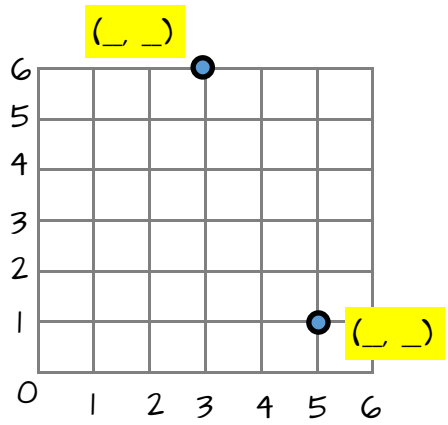
$$\text{Slope} = \frac{-3}{4}$$



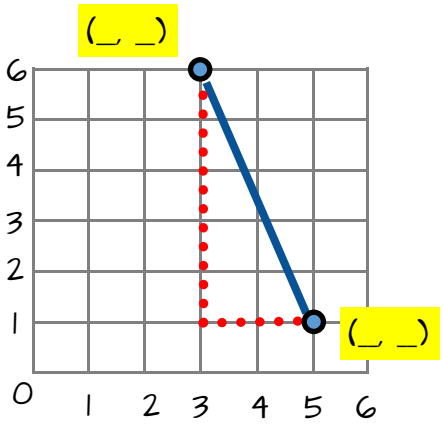
The slope of the line is .

For every rise of ____ there is a run of ____.

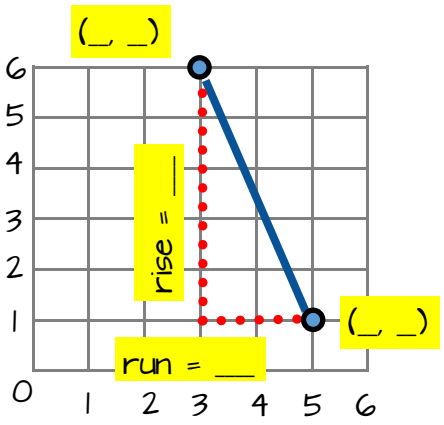
II. Find the slope



Label the coordinates.

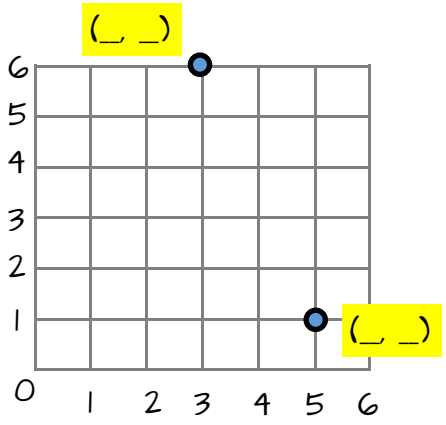


Draw the change in vertical distance (rise) and the horizontal distance (run).

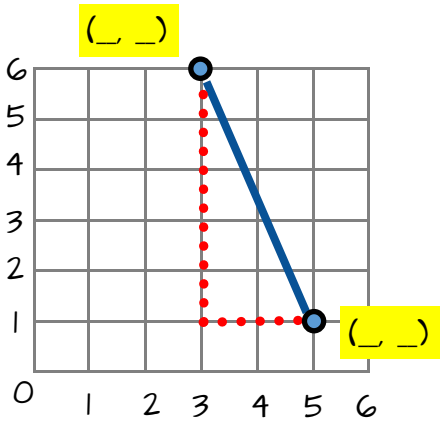


This slope is going down towards the right. It is a negative slope. The rise is ___ and the run is ___

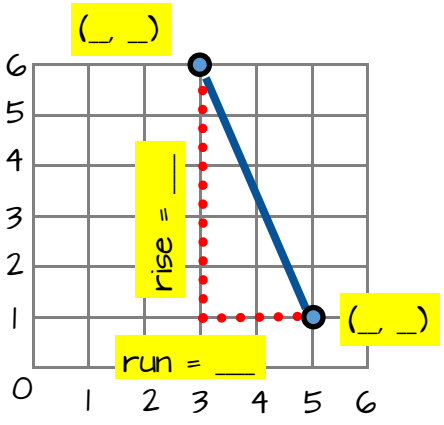
II. Find the slope



Label the coordinates.

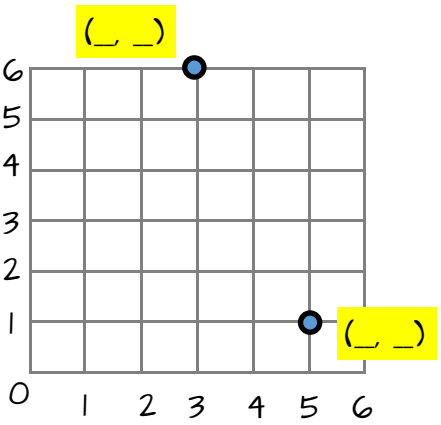


Draw the change in vertical distance (rise) and the horizontal distance (run).

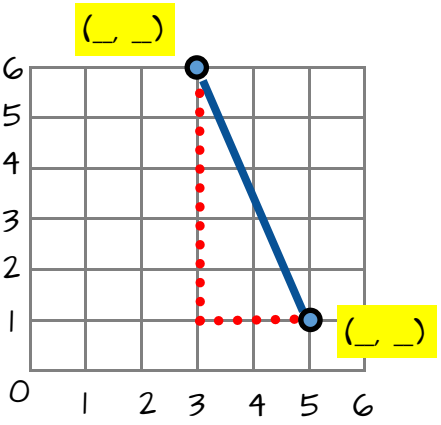


This slope is going down towards the right. It is a negative slope. The rise is ___ and the run is ___

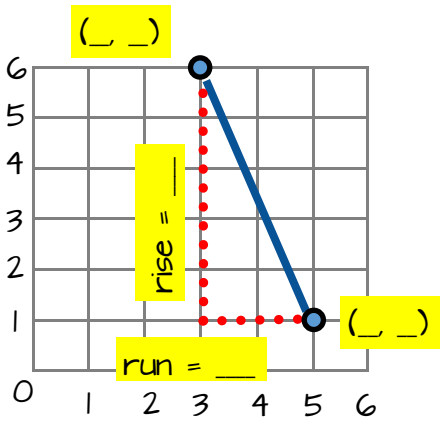
II. Find the slope



Label the coordinates.



Draw the change in vertical distance (rise) and the horizontal distance (run).



This slope is going down towards the right. It is a negative slope. The rise is ___ and the run is ___

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 =$ ___

$y_1 =$ ___

Δx

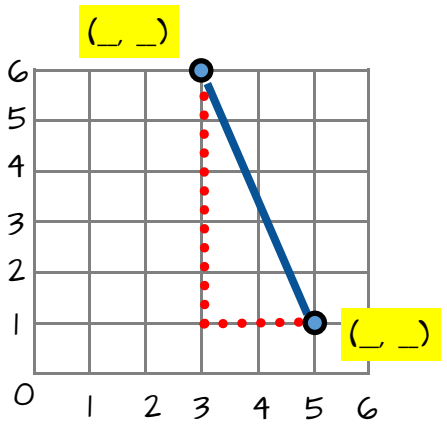
$x_2 =$ ___

$x_1 =$ ___

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(\_\_ - \_\_)}{(\_\_ - \_\_)}$$

$$\text{Slope} = \frac{\_\_}{\_\_}$$



The slope of the line is .

For every rise of ____ there is a run of ____.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 =$ ___

$y_1 =$ ___

Δx

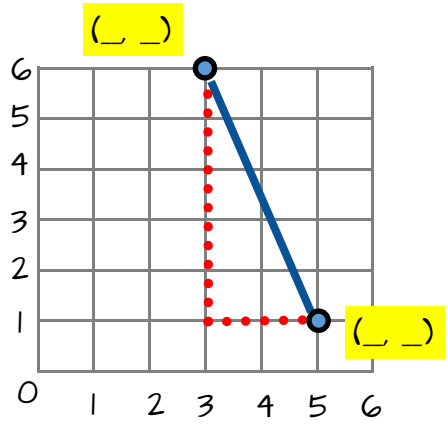
$x_2 =$ ___

$x_1 =$ ___

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(\_\_ - \_\_)}{(\_\_ - \_\_)}$$

$$\text{Slope} = \frac{\_\_}{\_\_}$$



The slope of the line is .

For every rise of ____ there is a run of ____.

Change in y (rise)

$$\text{Slope} = \frac{\Delta y}{\Delta x}$$

Change in x (run)

Δy

$y_2 =$ ___

$y_1 =$ ___

Δx

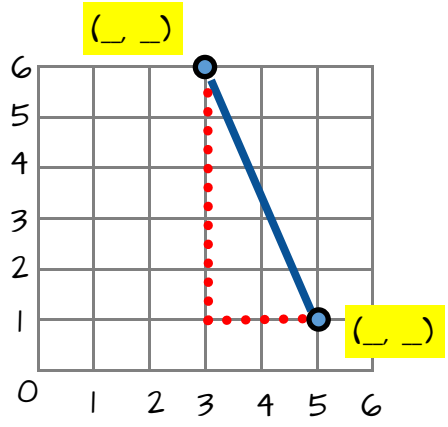
$x_2 =$ ___

$x_1 =$ ___

$$\text{Slope} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$$

$$\text{Slope} = \frac{(\_\_ - \_\_)}{(\_\_ - \_\_)}$$

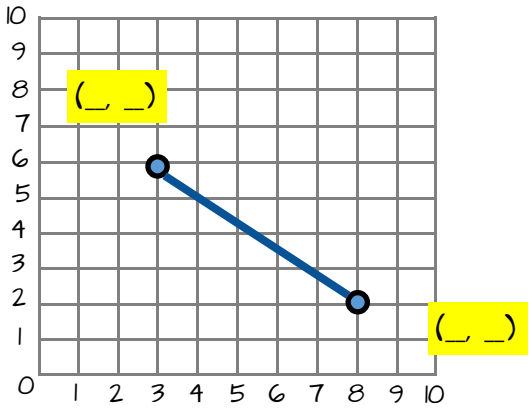
$$\text{Slope} = \frac{\_\_}{\_\_}$$



The slope of the line is .

For every rise of ____ there is a run of ____.

12. Find the slope



Δy

y_2 = __

y_1 = __

Δx

x_2 = __

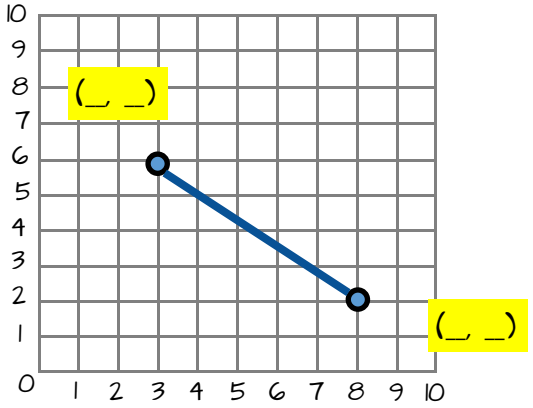
x_1 = __

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

12. Find the slope



Δy

y_2 = __

y_1 = __

Δx

x_2 = __

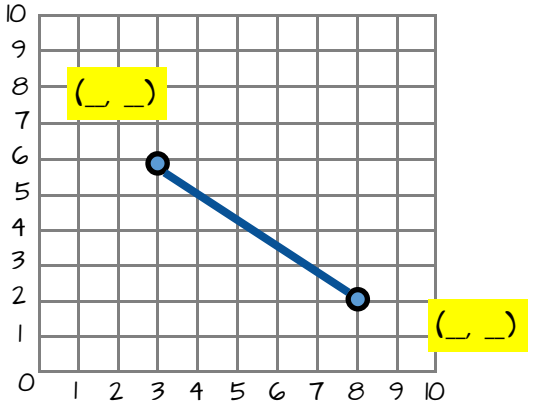
x_1 = __

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

12. Find the slope



Δy

y_2 = __

y_1 = __

Δx

x_2 = __

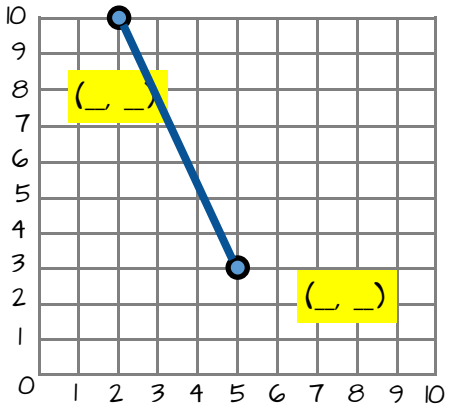
x_1 = __

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

13. Find the slope



Δy

y_2 = __

y_1 = __

Δx

x_2 = __

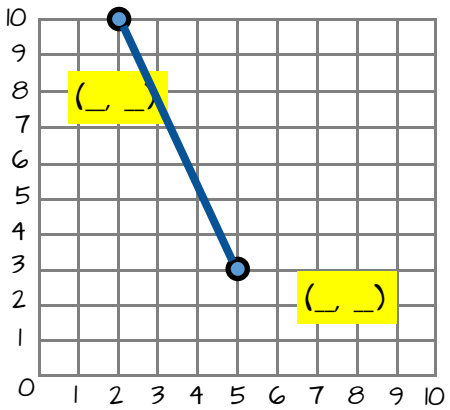
x_1 = __

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

13. Find the slope



Δy

y_2 = __

y_1 = __

Δx

x_2 = __

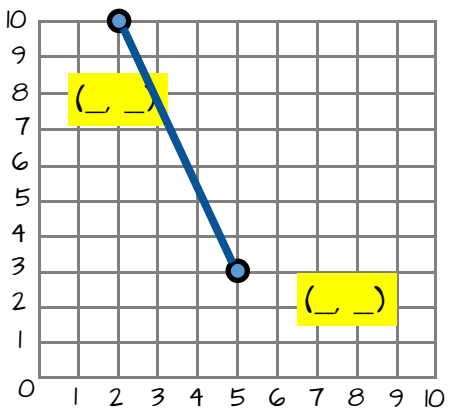
x_1 = __

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =

13. Find the slope



Δy

y_2 = __

y_1 = __

Δx

x_2 = __

x_1 = __

Slope = $\frac{(y_2 - y_1)}{(x_2 - x_1)}$

Slope = $\frac{(\quad)}{(\quad)}$

Slope =