



Determine the rate of change from a graph

1

What chart of X, Y values would have this slope?

$$m = -1$$

A

X	Y
0	3
1	4
2	5
3	6
4	7

B

X	Y
0	3
1	2
2	1
3	0
4	-1

2

What slope would this line of X, Y values have?

X	Y
0	3
1	7
2	11
3	15
4	19

A

$$m = 0.25$$

B

$$m = 2$$

C

$$m = -4$$

D

$$m = 4$$

3

What slope would this line of X, Y values have?

X	Y
0	3
1	2
2	1
3	0
4	-1

A

$$m = \frac{1}{2}$$

B

$$m = -1$$

C

$$m = 1$$

4

$$f(4) = 0 \quad f(6) = 4$$

A

$$0.5$$

B

$$2.8$$

C

$$2$$

D

$$0$$

E

$$2.4$$

F

$$-1.75$$

5

How would you find the slope of segment AB?

Point A : (2, 10)

Point B : (6, 1)

A

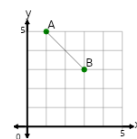
$$\frac{6 - 2}{1 - 10}$$

B

$$\frac{1 - 10}{6 - 2}$$

6

Find the slope of the line between Point A and Point B given that Y decreases by 2 and X increases by 2



A -2.2

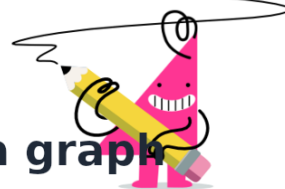
B -1

C -1.2

D -1.6

E -1.75

F -1.4

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How would you calculate the slope of the line given that slope is rise/run?

Run = 9

Slope = ?

Rise = -4

A

$$-9 \cdot -4$$

B

$$-4 \cdot 9$$

C

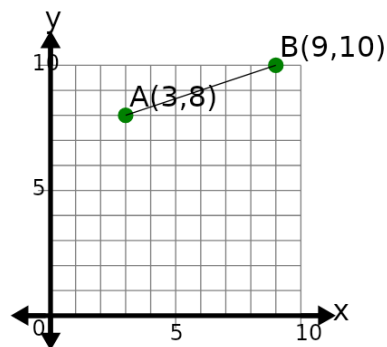
$$\frac{-4}{9}$$

D

$$\frac{9}{-4 + 9}$$

8

How would you find the slope of segment AB?



A

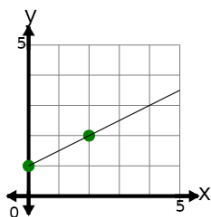
$$\frac{10 - 8}{9 - 3}$$

B

$$\frac{9 - 3}{10 - 8}$$

9

What slope does the line on this graph have?



A

$$m = -0.5$$

B

$$m = 0.5$$

C

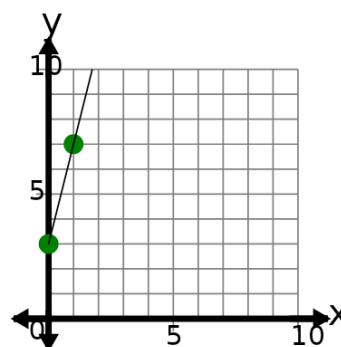
$$m = 2$$

D

$$m = 0.25$$

10

What slope does the line on this graph have?



A

$$m = \frac{1}{4}$$

B

$$m = \frac{4}{2}$$

C

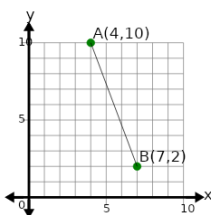
$$m = 4$$

D

$$m = -4$$

11

Is the slope of segment AB equal to $-\frac{3}{8}$?



A

Yes

B

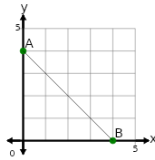
No



Determine the rate of change from a graph

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Find the slope of the line between Point A and Point B



A 0.75

B -2.6

C 1.75

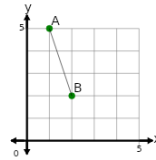
D 1

E -1

F -2.2

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Find the slope of the line between Point A and Point B



A -1.2

B -3

C -2

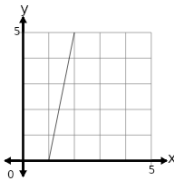
D -6

E -0.25

F -1.8

14

Find the slope of the line



A 0.2

B 0.5

C -1.25

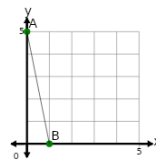
D 0

E -0.5

F 5

15

Find the slope of the line between Point A and Point B



A -4

B 1

C -2

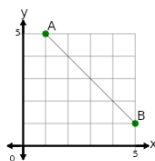
D -0.2

E -5

F -14

16

Find the slope of the line between Point A and Point B



A -2.5

B -1

C -1.4

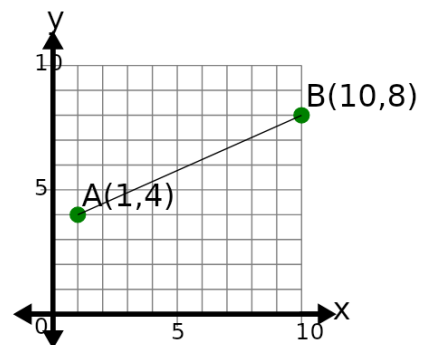
D -1.75

E 1

F -0.6

17

Find the slope of segment AB



A $\frac{1}{3}$

B $\frac{8}{9}$

C $\frac{4}{7}$

D $\frac{9}{4}$

E $\frac{4}{9}$

F $\frac{2}{3}$