**Determine rate of change from a table**

- 1** How would you find the slope of segment AB?

Point A : (3, 4)

Point B : (10, 1)

A

$$\frac{10 - 3}{1 - 4}$$

B

$$\frac{1 - 4}{10 - 3}$$

- 2** Is the slope of segment AB equal to $\frac{3}{5}$?

Point A : (3, 2)

Point B : (8, 5)

A

Yes

B

No

- 3** (3, 2) and (6, 6)

A

0.75

B

2.13

C

0.8

D

-1.25

E

1.07

F

1.33

- 4** What line equation would create this set of X, Y values?

X	Y
0	3
1	3.25
2	3.5
3	3.75
4	4

A

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

B

$$y = -3x$$

C

$$y = 3x$$

D

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

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

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

A

X	Y
0	3
1	3.25
2	3.5
3	3.75
4	4

B

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

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

X	Y
0	3
1	0
2	-3
3	-6
4	-9

A

$m = 3$

B

$m = -0.33$

C

$m = -1.5$

D

$m = -3$

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

X	Y
0	1.33
1	1
2	0.67
3	0.33
4	0

A

$m = 0.33$

B

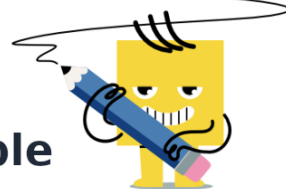
$m = -3$

C

$m = -0.17$

D

$m = -0.33$

**Determine rate of change from a table****8** $m = -3$

A	X	Y
	0	3
	1	6
	2	9
	3	12
	4	15

B	X	Y
	0	3
	1	0
	2	-3
	3	-6
	4	-9

9

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	$m = -1$

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

X	Y
0	2
1	5
2	8
3	11
4	14

A	$m = \frac{3}{2}$

B	$m = -3$

C	$m = \frac{1}{3}$

D	$m = 3$