

Determine the y-intercept of a linear relation

- 1** What slope would this line equation have
 $y = 4x$

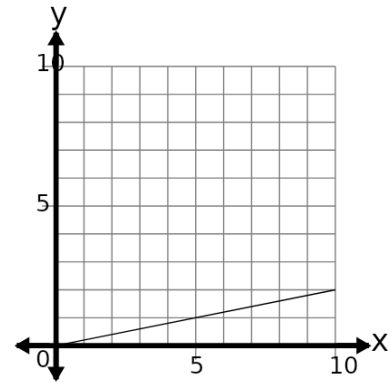
A $m = 4$

B $m = -4$

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

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

- 2** Select the equation that would result in the line shown with a slope of 0.2



A $y = 0.2x$

B $y = 1.7x - 1.5$

C $y = -1.8x + 1.5$

D $y = 2.2x + 1.5$

E $y = 0.2x - 1.5$

- 3** What chart of X, Y values matches this line equation?
 $y = \frac{1}{4}x$

$$y = \frac{1}{4}x$$

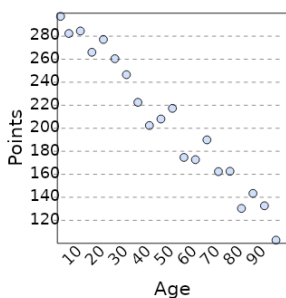
A

X	Y
0	0
1	4
2	8
3	12
4	16

B

X	Y
0	0
1	0.25
2	0.5
3	0.75
4	1

- 4** Points = $-2 \times \text{Age} + 300$



- 5** Find the y intercept of this function by setting x to zero and solving

$$y = -4x - 2.4$$

A -5.4

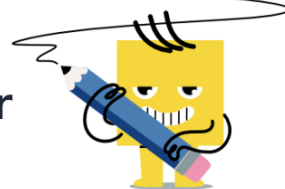
B -4.7

C -0.9

D 0.6

E -3.2

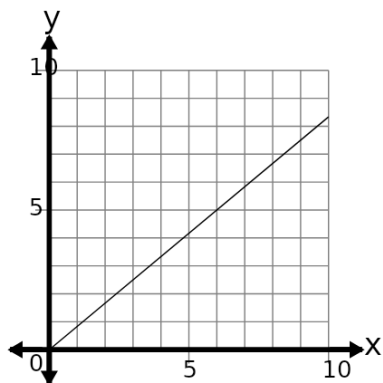
F -2.4



Determine the y-intercept of a linear relation

6

Select the equation that would result in the line on the graph as shown



A $y = -0.67x$

B $y = 1.83x$

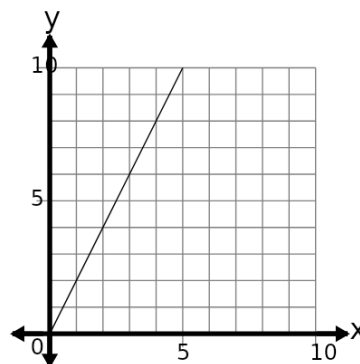
C $y = 0.83x$

D $y = 2.83x - 1.5$

E $y = -1.17x + 1.5$

7

Select the equation that would result in the line shown with a y-intercept of 0 and a slope of 2



A $y = -3x - 3$

B $y = -3x$

C $y = 6x$

D $y = 2x$

E $y = 1x$

8

(1, 6) and (6,7), slope = $1/5$

A 11.8

B 5.8

C 6.2

D 1.8

E -3.2

F -0.2

9

Find the y intercept of this function

$$y = 3x - 4$$

A 4

B 2

C -7

D -11

E -4

F -9

10

Find the y intercept of this function by setting x to zero and solving

$$12x + 6y = 48$$

A 10

B 9

C 15

D 8

E 5

F -2

11

(6, 9) and (0,6)

A $y = \frac{1}{3}x + 7$

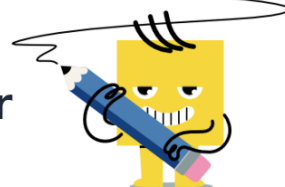
B $y = \frac{5}{7}x + \frac{33}{7}$

C $y = \frac{1}{2}x + 6$

D $y = \frac{1}{2}x + \frac{13}{2}$

E $y = 2x + -3$

F $y = \frac{1}{8}x + \frac{33}{4}$



Determine the y-intercept of a linear relation

12

What equation would create this chart of X, Y values?

X	Y
0	1
1	3
2	5
3	7
4	9

A

$$y = -2x + 1$$

B

$$y = \frac{2}{2}x + 1$$

C

$$y = 2x + 1$$

D

$$y = \frac{1}{2}x + 1$$

13

Find the y intercept of this function

$$-19.6x - 4y = 20.7$$

A

-6.7

B

-2.9

C

-7.5

D

-2.1

E

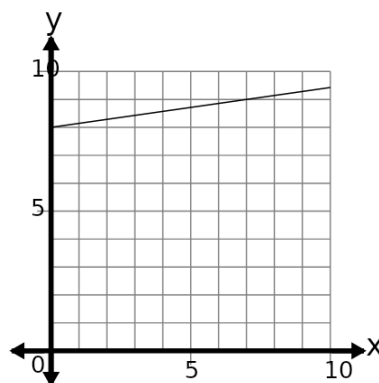
-5.2

F

-4.4

14

Select the equation that would result in the line on the graph as shown



A

$$y = 0.14x + 8$$

B

$$y = -0.14x + 8$$

C

$$y = -1.36x + 9.5$$

D

$$y = -1.86x + 9.5$$

E

$$y = 1.64x + 8$$