

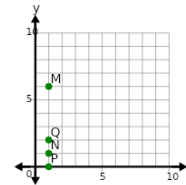


Represent linear relations using equations

1 Exponential

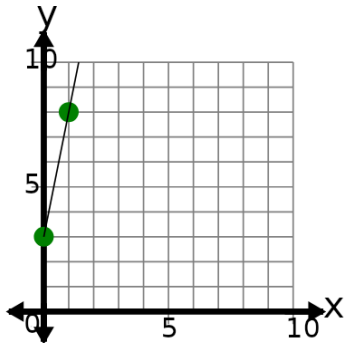
- A $y = a^x$ B $y = |x|$
C $y = mx + b$ D $y = \log(x)$

2 For the equation $y = 2x$, what point is at $x = 1$?



- A N B P C M D Q

3 What slope does the line on this graph have?



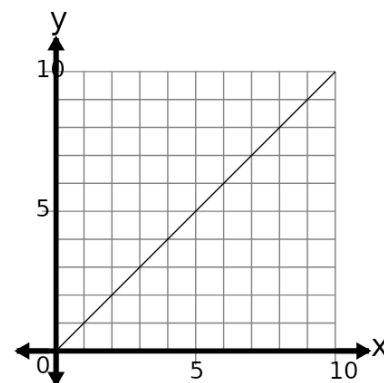
- A $m = -5$ B $m = \frac{1}{5}$
C $m = \frac{5}{2}$ D $m = 5$

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

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

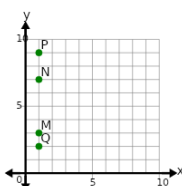
- A $y = \frac{1}{2}x$ B $y = 1x$
C $y = -1x$

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

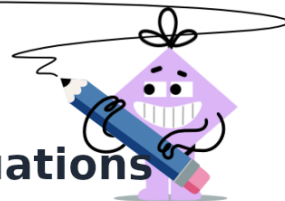


- A $y = 0$ B $y = 3x + 3$
C $y = -1$ D $y = 1x$
E $y = -1x$

6 For the equation $y = 5x + 4$, what point is at $x = 1$?



- A N B M C Q D P



Represent linear relations using equations

7

What chart of X, Y values matches this equation?

$$y = -2x + 3$$

A

X	Y
0	3
1	1
2	-1
3	-3
4	-5

B

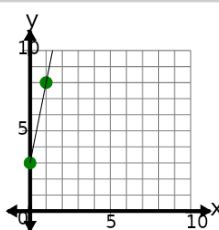
X	Y
0	3
1	2
2	1
3	0
4	-1

8

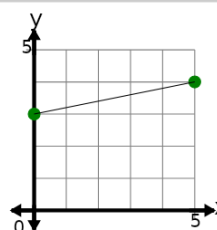
What graphed line shows this line equation?

$$y = 5x + 3$$

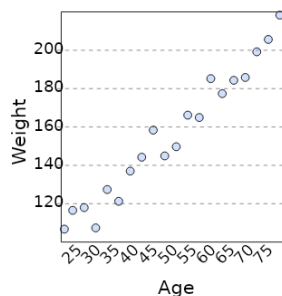
A



B

**9**

Weight = 2*Age + 60



A



B



C



D

**10**

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

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

A

$$y = -2x + 2$$

B

$$y = 2x + 2$$

C

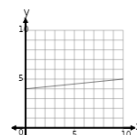
$$y = -\frac{1}{2}x + 2$$

D

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

11

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



A

$$y = -2.4x + 5.5$$

B

$$y = -0.4x + 5.5$$

C

$$y = 0.1x + 5.5$$

D

$$y = 0.1x + 4$$