



Represent linear relationships using equations

1

What slope would this line equation have?

$$y = \frac{1}{3}x + 2$$

A $m=0.33$ B $m=0.17$ C $m=3$ D $m=-0.33$ **2** $m=0.2$

A

$$y = -\frac{5}{2}x + 2$$

B

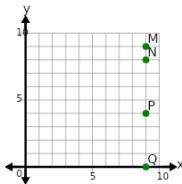
$$y = \frac{1}{5}x + 2$$

C

$$y = -\frac{1}{5}x + 2$$

D

$$y = 5x + 2$$

3For the equation $y = 1x - 0$, what point is at $x = 9$?

A P

B N

C M

D Q

4

What chart of X, Y values matches this line equation?

$$y = -\frac{1}{3}x + 3.33$$

A

X	Y
0	3.33
1	3
2	2.67
3	2.33
4	2

B

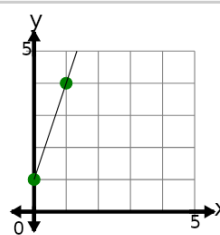
X	Y
0	3.33
1	0.33
2	-2.67
3	-5.67
4	-8.67

5

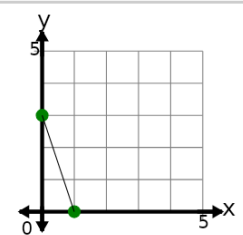
What graphed line shows this line equation?

$$y = 3x + 1$$

A



B

**6**

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

X	Y
0	1
1	2
2	3
3	4

A

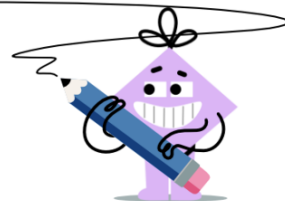
$$y = 1x$$

B

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

C

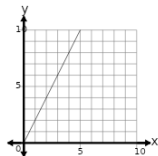
$$y = -1x$$



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



A $y = -1.9999999999999998$

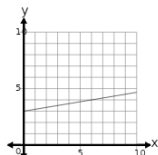
B $y = -3$

C $y = 3x$

D $y = 2x$

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Select the equation that would result in the line shown with a y-intercept of 3 and a slope of 0.17



A $y = -1.83x + 3$

B $y = 2.17x + 3$

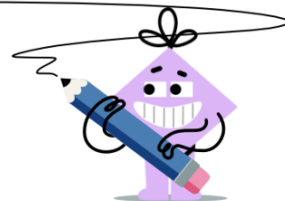
C $y = -3x - 0.17$

D $y = 0.17x + 3$

9 $m=2$

A	X	Y
	0	1
	1	-1
	2	-3
	3	-5
	4	-7

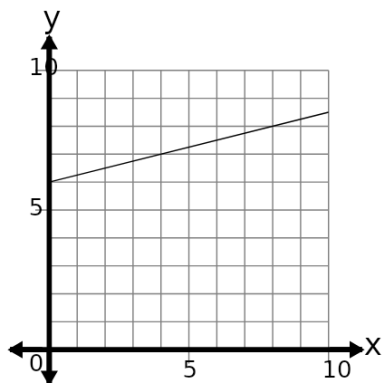
B	X	Y
	0	1
	1	3
	2	5
	3	7
	4	9



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



A $y = 0.25x + 4.5$

B $y = -2.25x + 4.5$

C $y = -6x - 0.25$

D $y = 0.25x + 6$

E $y = 2.25x + 7.5$

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

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

A

$$y = 1x + 2$$

B

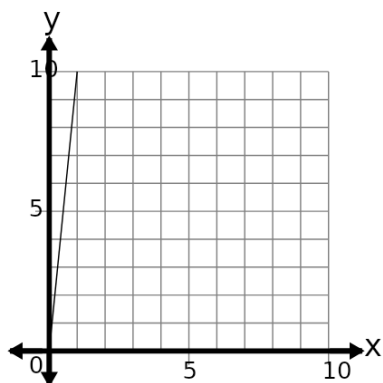
$$y = -1x + 2$$

C

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

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



A $y = 10x$

B $y = 10x + 3$

C $y = 14x - 3$

D $y = 11x$

E $y = 5x$