

Represent linear relationships using tables

1

What rule turns each input into its output?

Input	Output
18	3
24	4
36	6
48	?
54	9

- A multiply by 3 B divide by 10 C divide by 6 D divide by 4

2

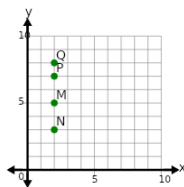
What rule turns each input into its output?

Input	Output
1	1
3	9
5	?
6	21
8	29

- A multiply by 4 then subtract 3 B multiply by 5 then add 1 C multiply by 5 then add 6 D multiply by 2 then add 3

3

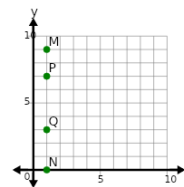
For the equation $y = 4x$, what point is at $x = 2$?



- A N B Q C P D M

4

For the equation $y = -6x + 9$, what point is at $x = 1$?



- A N B M C Q D P

5

What chart of X, Y values matches this equation?

$$y = 1x + 1$$

A

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

B

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

6

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

$$y = -\frac{1}{4}x + 0.25$$

A

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

B

X	Y
0	0.25
1	-3.75
2	-7.75
3	-11.75
4	-15.75

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

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

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

B $y = 2x + 2$

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

D $y = -2x + 2$

8

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

X	Y
0	3
1	6
2	9
3	12

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

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

C $y = 3x$

D $y = -3x$

9

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 $m=-4$

10 $m=2$

A	<table><tr><th>X</th><th>Y</th></tr><tr><td>0</td><td>3</td></tr><tr><td>1</td><td>5</td></tr><tr><td>2</td><td>7</td></tr><tr><td>3</td><td>9</td></tr><tr><td>4</td><td>11</td></tr></table>	X	Y	0	3	1	5	2	7	3	9	4	11
X	Y												
0	3												
1	5												
2	7												
3	9												
4	11												

B	<table><tr><th>X</th><th>Y</th></tr><tr><td>0</td><td>3</td></tr><tr><td>1</td><td>1</td></tr><tr><td>2</td><td>-1</td></tr><tr><td>3</td><td>-3</td></tr><tr><td>4</td><td>-5</td></tr></table>	X	Y	0	3	1	1	2	-1	3	-3	4	-5
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