

Name: Class:

Graph a two-variable equation

 Graph the following function. $y = 5 + x.$

x	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3
y										6		

 Graph the following function. $Y = x/3.$

x	6	9	12	15	18	21	24	27	30
y									

 Graph the following function. $Y = 2x - 2.$

x	0	1	3	5	7	9	11
y							

 Graph the following function. $Y = x - 6.$

x	0	1	2	3	4	5	6	7	8
y									

 Graph the following function. $Y = x - 1.$

x	-9	-8	-6	-4	-2	-1	0
y							

 Graph the following function. $3x + 3Y = 6.$

x	0	1	3	5	7	9	11
y							

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Graph a two-variable equation

Graph the following function. $y = 5 + x$.

x	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3
y	-3	-2	-1	0	1	2	3	4	5	6	7	8

► Find ordered pairs by substituting the value of x into the function.

Substitute $x=1$

$$y = 5 + x$$

$$y = 5 + 1$$

$$y = 6$$

Graph the point (1,6) is on the graph.

Substitute $x=2$

$$y = 5 + x$$

$$y = 5 + 2$$

$$y = 7$$

Graph the point (2,7) is on the graph.

Substitute $x=3$

$$y = 5 + x$$

$$y = 5 + 3$$

$$y = 8$$

Graph the point (3,8) is on the graph.

Substitute $x=-1$

$$y = 5 + x$$

$$y = 5 + (-1)$$

$$y = 4$$

Graph the point (-1,4) on the graph.

