



Check Up

1. Sketch the graph of $y = 6 - \frac{1}{2}x$.



Compare your answer.

1. Sketch the graph of $y = 6 - \frac{1}{2}x$.

Points used will vary. Select x -values and determine the corresponding y -values.

For $x = -8$ $y = 6 - \frac{1}{2}x$ $y = 6 - \frac{1}{2}(-8)$ $y = 10$	For $x = -6$ $y = 6 - \frac{1}{2}x$ $y = 6 - \frac{1}{2}(-6)$ $y = 9$	For $x = -4$ $y = 6 - \frac{1}{2}x$ $y = 6 - \frac{1}{2}(-4)$ $y = 8$	For $x = -2$ $y = 6 - \frac{1}{2}x$ $y = 6 - \frac{1}{2}(-2)$ $y = 7$	For $x = 0$ $y = 6 - \frac{1}{2}x$ $y = 6 - \frac{1}{2}(0)$ $y = 6$
For $x = 2$ $y = 6 - \frac{1}{2}x$ $y = 6 - \frac{1}{2}(2)$ $y = 5$	For $x = 4$ $y = 6 - \frac{1}{2}x$ $y = 6 - \frac{1}{2}(4)$ $y = 4$	For $x = 6$ $y = 6 - \frac{1}{2}x$ $y = 6 - \frac{1}{2}(6)$ $y = 3$	For $x = 8$ $y = 6 - \frac{1}{2}x$ $y = 6 - \frac{1}{2}(8)$ $y = 2$	For $x = 10$ $y = 6 - \frac{1}{2}x$ $y = 6 - \frac{1}{2}(10)$ $y = 1$

x	y	(x,y)
-8	10	$(-8,10)$
-6	9	$(-6,9)$
-4	8	$(-4,8)$
-2	7	$(-2,7)$
0	6	$(0,6)$
2	5	$(2,5)$
4	4	$(4,4)$
6	3	$(6,3)$
8	2	$(8,2)$
10	1	$(10,1)$

Plot these points and draw a line through them.

