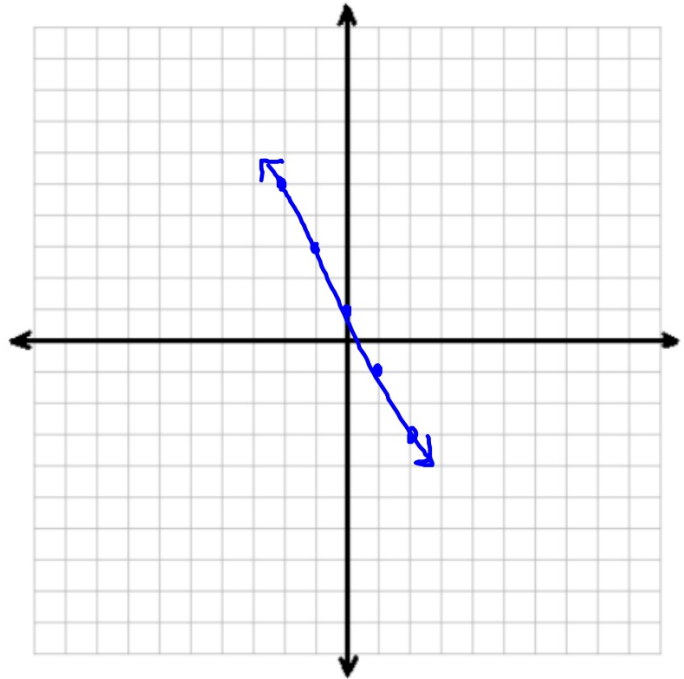

Functions - Day 4

Graphing Functions

Graph the function.

$$y = -2x + 1$$

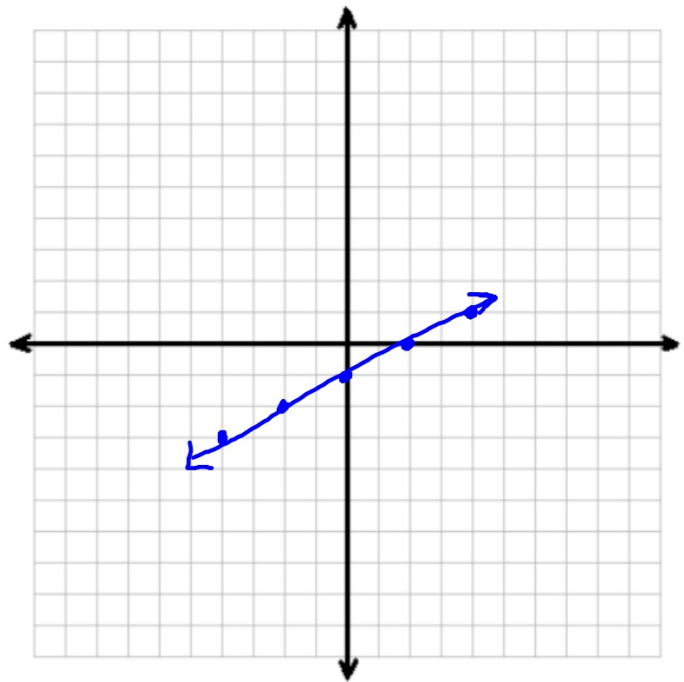
x	y
-2	5
-1	3
0	1
1	-1
2	-3



Graph the function.

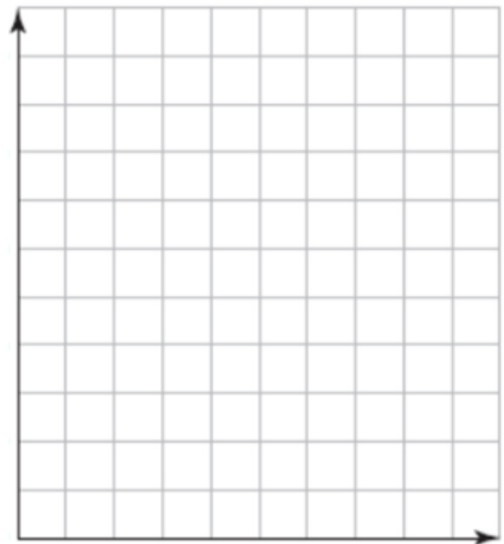
$$y = \frac{1}{2}x - 1$$

x	y
-4	-3
-2	-2
0	-1
2	0
4	1



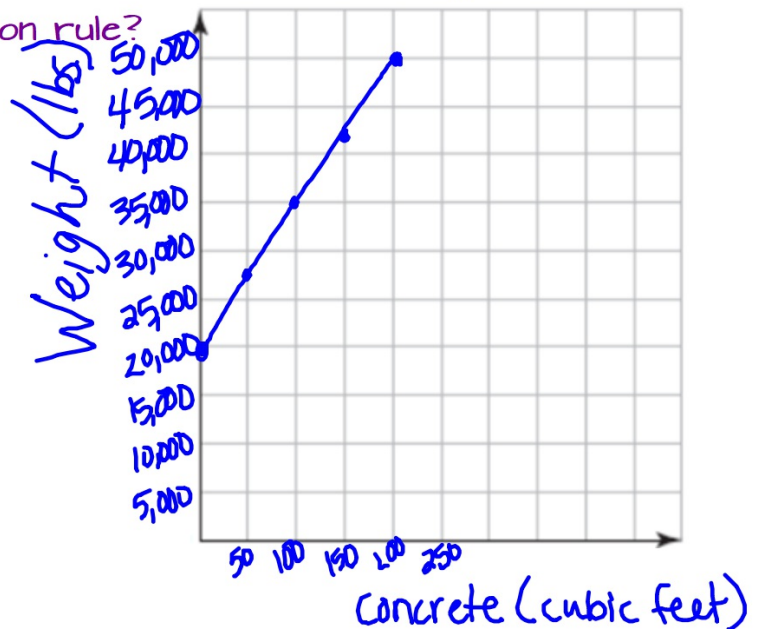
The function rule $W = 150c + 20,000$ represents the total weight W , in pounds, of a concrete mixer truck that carries c cubic feet of concrete. If the capacity of the truck is about 200 ft^3 , what is a reasonable graph of the function rule?

c | W



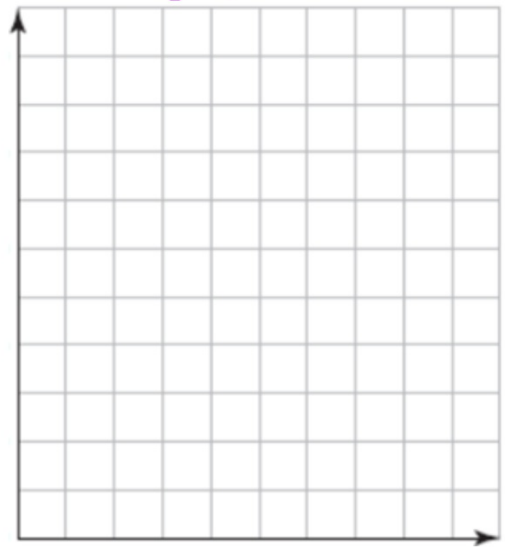
The function rule $W = 150c + 20,000$ represents the total weight W , in pounds, of a concrete mixer truck that carries c cubic feet of concrete. If the capacity of the truck is about 200 ft^3 , what is a reasonable graph of the function rule?

c	W
0	20,000
50	27,500
100	35,000
150	42,500
200	50,000



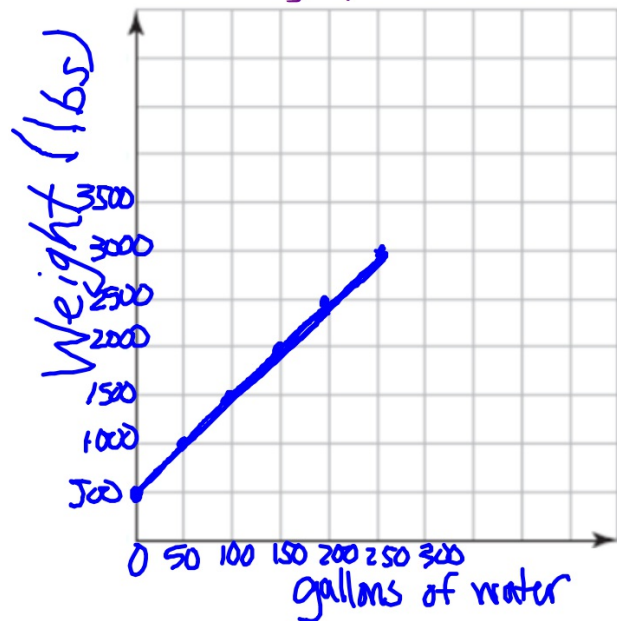
The function rule $W = 10g + 500$ represents the total weight W , in pounds, of a spa that contains g gallons of water. If the capacity of the spa is about 250 gallons, what is a reasonable graph of the function rule?

g | W



The function rule $W = 10g + 500$ represents the total weight W , in pounds, of a spa that contains g gallons of water. If the capacity of the spa is about 250 gallons, what is a reasonable graph of the function rule?

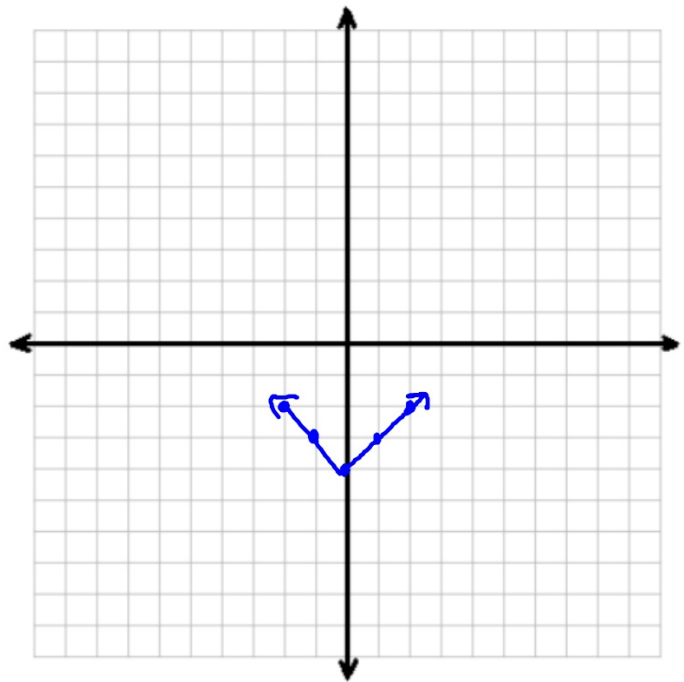
g	W
0	500
50	1000
100	1500
150	2000
200	2500
250	3000



Graph the function.

$$y = |x| - 4$$

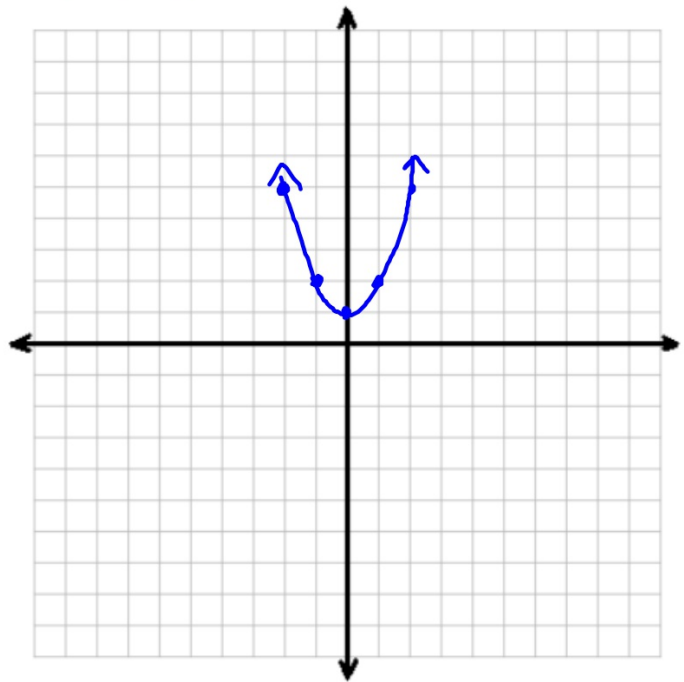
x	y
-2	-2
-1	-3
0	-4
1	-3
2	-2



Graph the function.

$$y = x^2 + 1$$

x	y
-2	5
-1	2
0	1
1	2
2	5



Homework:

**Graphing Functions
Worksheet**

