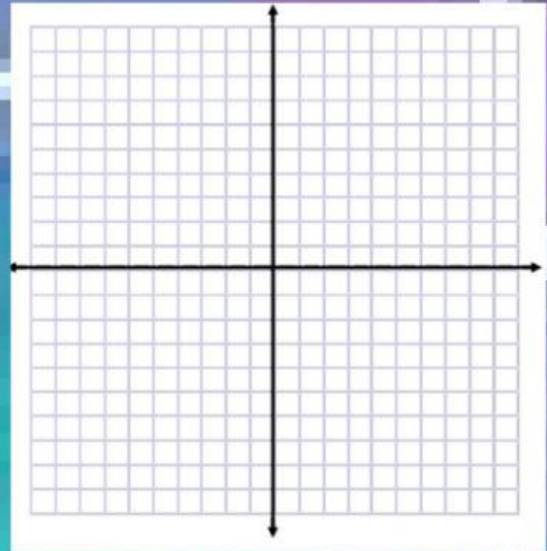


Graphing Linear Relations

1. Fill in a table of values for each linear relation using x values -4 , -2 , 0 , 2 and 4 , then graph the relation. (Drag and drop the red dots)
2. Determine if each relation is increasing or decreasing.
a) $y = 3x$

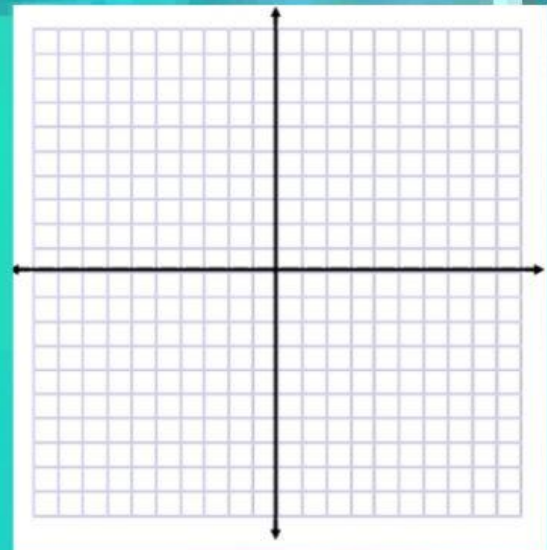
X	Y
-4	
-2	
0	
2	
4	



This relation is increasing / decreasing.

b) $y = x + 3$

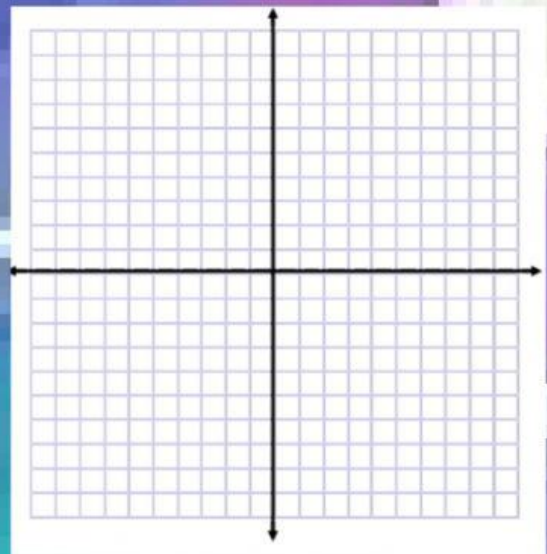
X	Y
-4	
-2	
0	
2	
4	



This relation is increasing / decreasing.

c) $y = x - 3$

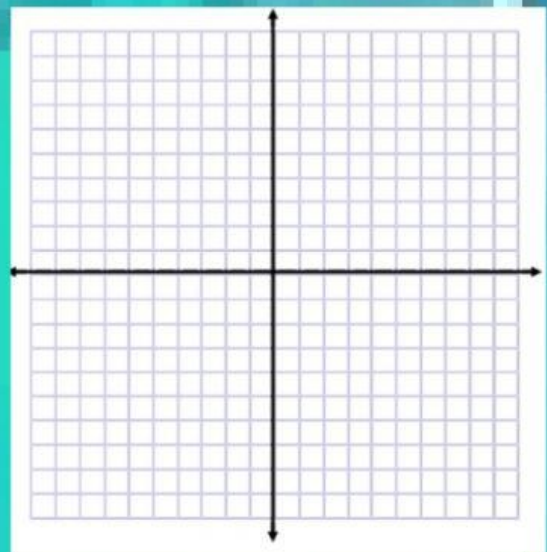
X	Y
-4	
-2	
0	
2	
4	



This relation is increasing / decreasing.

d) $y = 5 - x$

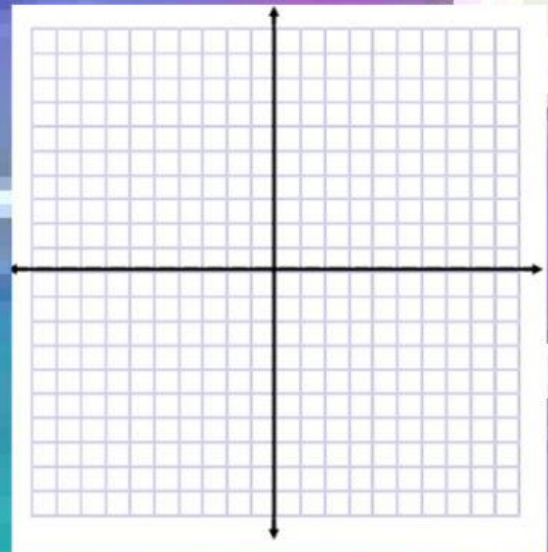
X	Y
-4	
-2	
0	
2	
4	



This relation is increasing / decreasing.

e) $y = 1 - 4x$

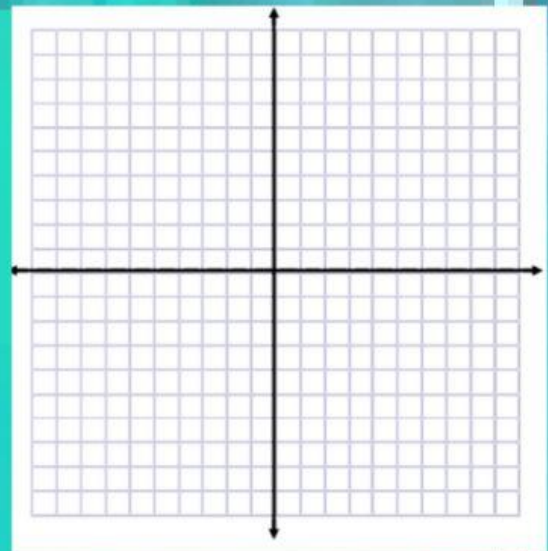
X	Y
-4	
-2	
0	
2	
4	



This relation is increasing / decreasing.

f) $y = -2x - 3$

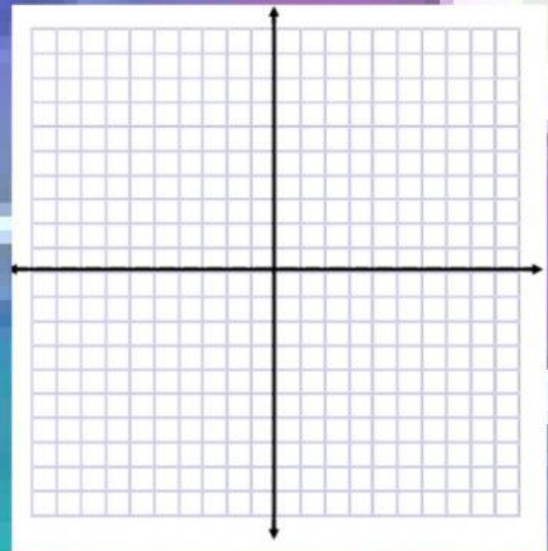
X	Y
-4	
-2	
0	
2	
4	



This relation is increasing / decreasing.

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

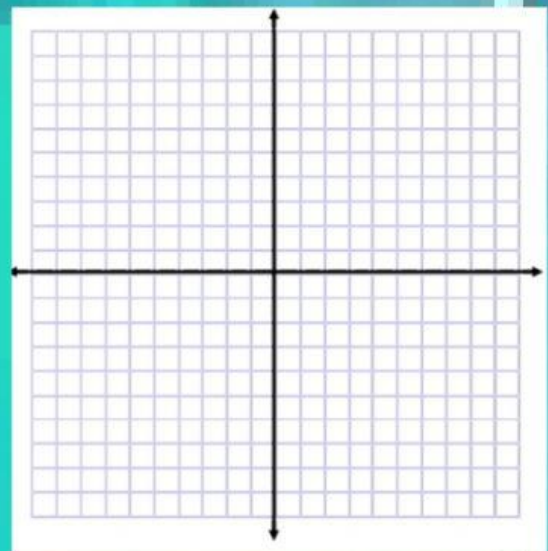
X	Y
-4	
-2	
0	
2	
4	



This relation is increasing / decreasing.

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

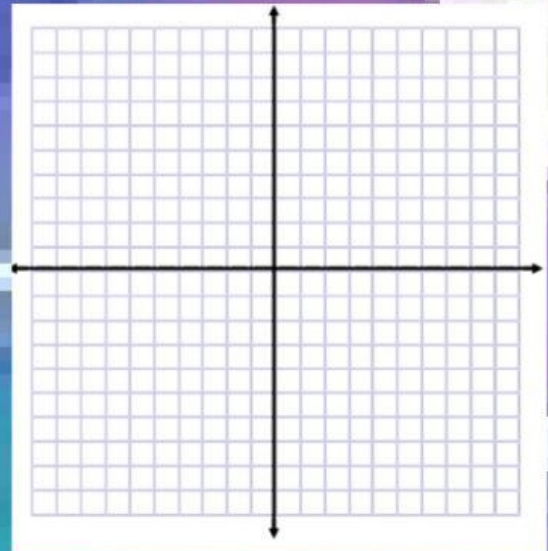
X	Y
-4	
-2	
0	
2	
4	



This relation is increasing / decreasing.

i) $y = -\frac{3}{2}x - 4$

X	Y
-4	
-2	
0	
2	
4	



This relation is increasing / decreasing.