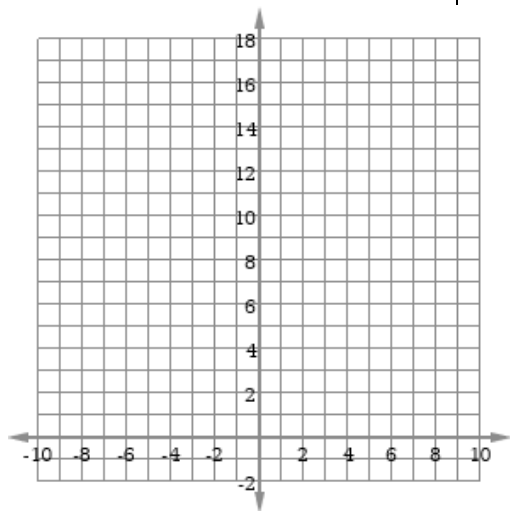


1. Graphing $y = x^2$.

Complete the table and plot the points. Then smoothly draw a curve that connects the points.

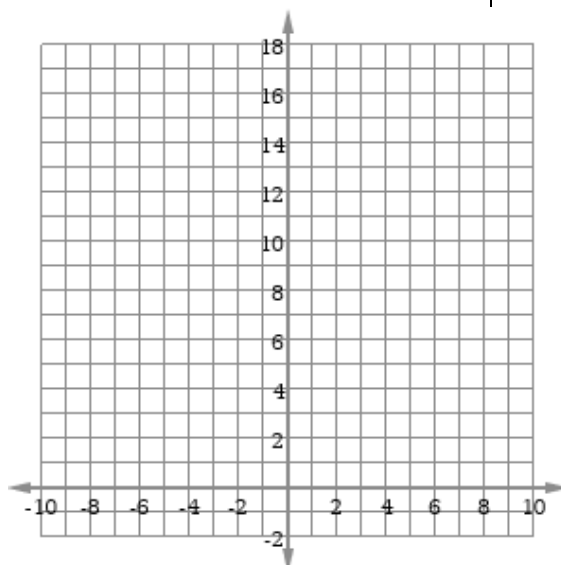
x	x^2
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	



2.

- Graph $y = x^2$ on this grid again.
- Graph the new equation: $y = 2x^2$. Use a highlighter or another color to make the new equation stand out.

x	$2x^2$
-3	
-2	
-1	
0	
1	
2	
3	

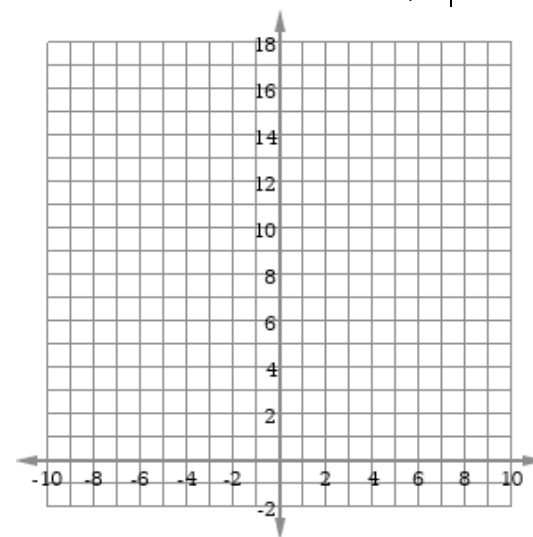


- In words, describe how the new graph compares to the old graph.

3.

- Graph $y = x^2$ on this grid again.
- Graph the new equation: $y = \frac{1}{2}x^2$. Use a highlighter or another color to make the new equation stand out.

x	$\frac{1}{2}x^2$
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	



- In words, describe how the new graph compares to the old graph.