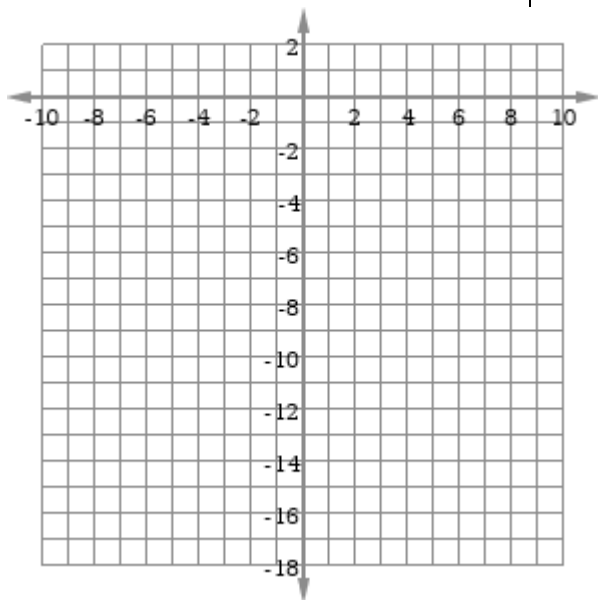**1. Graphing $y = -x^2$.**
Complete the table and plot the points. Then smoothly draw a curve that connects the points.

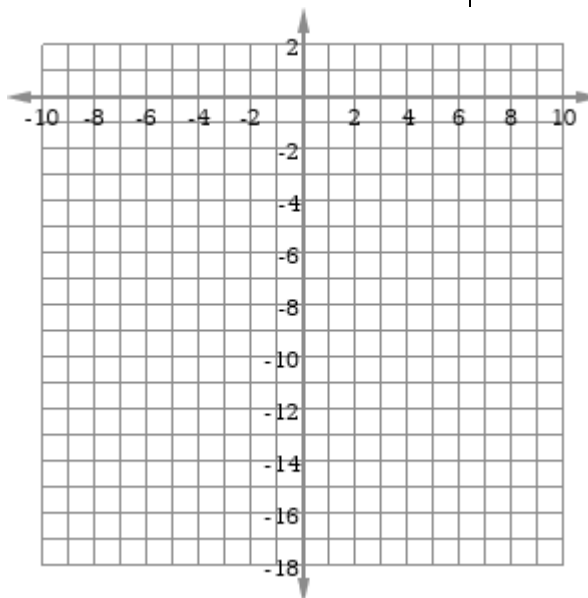| x	$-x^2$
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	

How does this graph compare to the graph of $y = x^2$ from Lesson 1.1 Classwork?

2.
a. Graph $y = -x^2$ on this grid again

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

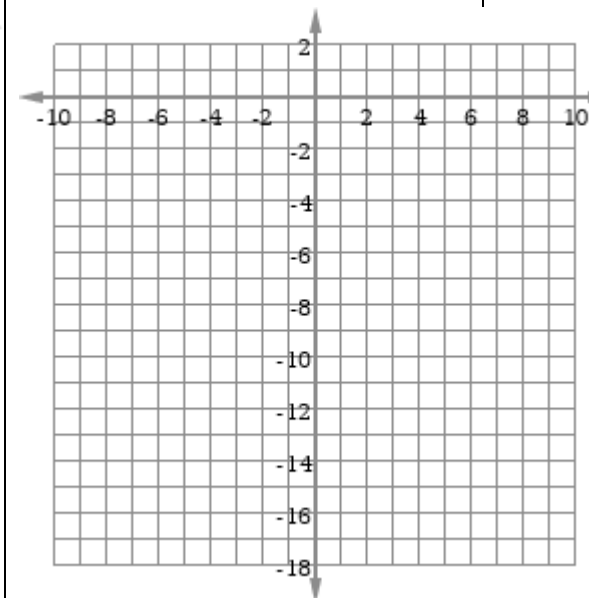| x	$-2x^2$
-3	
-2	
-1	
0	
1	
2	
3	

c. In words, describe how the new graph compares to the graph of $y = -x^2$.

3.
a. Graph $y = -x^2$ on this grid again.

b. 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	

c. In words, describe how the new graph compares to the graph of $y = -x^2$.