

Homework

Activity 1

Solve the equations using substitution.

1. $y = x^2$ for $x = -1$
2. $y = -x^2$ for $x = -1$
3. $y = 2x^2$ for $x = -3$
4. $y = -2x^2$ for $x = -3$
5. $y = 3x^2$ for $x = -2$
6. $y = -3x^2$ for $x = -2$

Activity 2

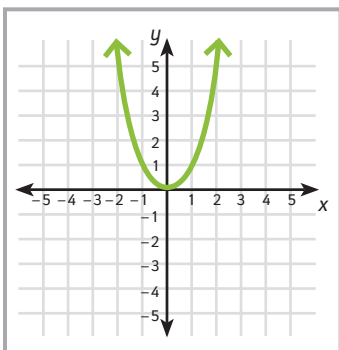
Create x/y tables for the functions. Use the x -values $-2, -1, 0, 1,$ and 2 .

1. $y = x^2$
2. $y = -x^2$
3. $y = -2x^2$
4. $y = 2x^2$
5. $y = -\frac{1}{2}x^2$
6. $y = \frac{1}{2}x^2$

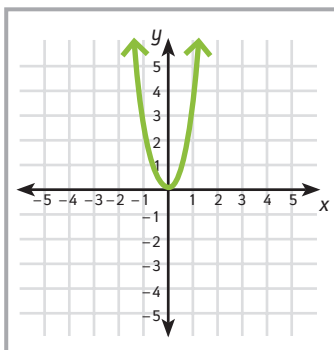
Activity 3

Look at the graphs of functions and tell if the function has a negative coefficient or a positive coefficient.

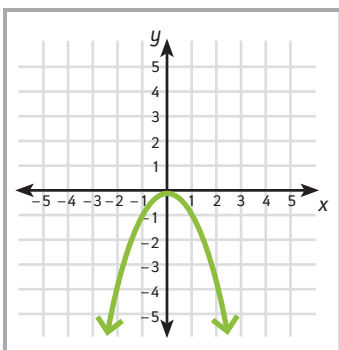
1.



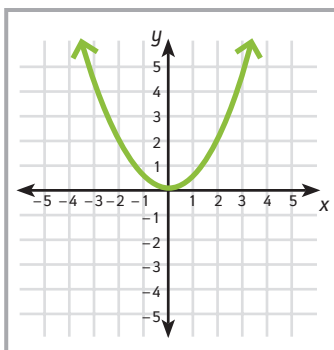
2.



3.



4.



Activity 4 • Distributed Practice

Create an x/y table for each of the functions using the equations.

1. $y = 3x + 2$
2. $y = -x - 1$
3. $y = -2x + 5$