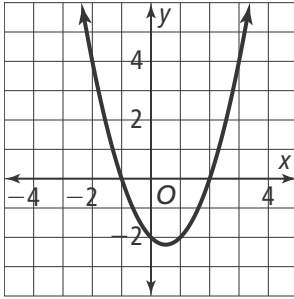




## 9-1 Reteach to Build Understanding

### Solving Quadratic Equations Using Graphs and Tables

1. The graph and table both show methods that can be used to solve the equation  $x^2 - x - 2 = 0$ . Circle the points in the graph and the numbers in the table that indicate the solutions of the equation. Then complete the statement about the solution by writing numbers in the blanks.



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

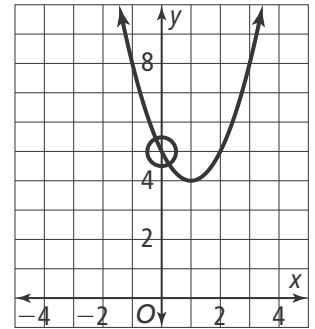
The solutions of the equation  $x^2 - x - 2 = 0$  are \_\_\_\_\_ and \_\_\_\_\_.

2. Marcela incorrectly used graphing to find the solution of  $x^2 - 2x + 5 = 0$ . Find and correct her error.

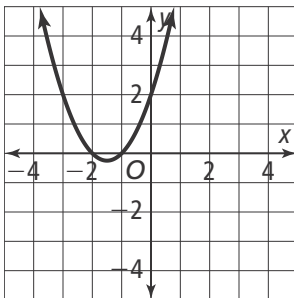
Graph the related function  $f(x) = x^2 - 2x + 5$ .

The graph intercepts the y-axis at  $(0, 5)$ .

The solution of the equation is 5.



3. Find the solutions of the equation  $x^2 + 3x + 2 = 0$ .



x	y
-3	
-2	
-1	
0	
1	

The solutions of the equation  $x^2 + 3x + 2 = 0$  are \_\_\_\_\_ and \_\_\_\_\_.