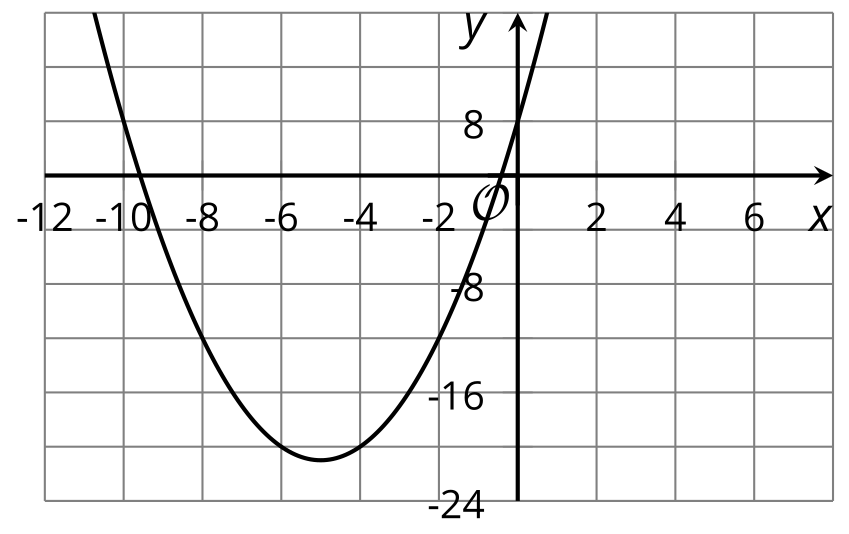
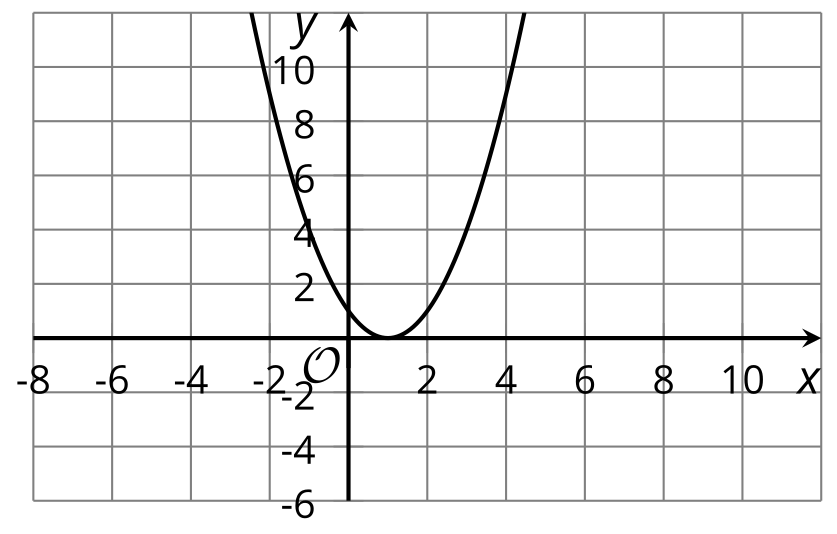
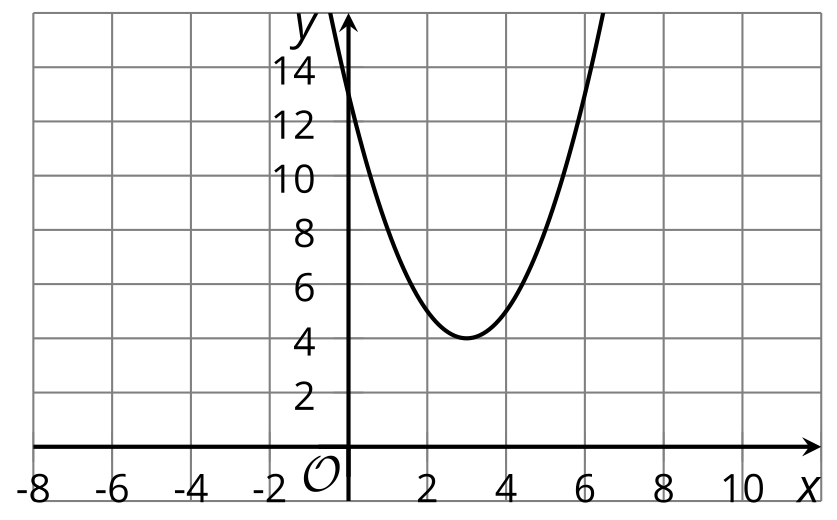
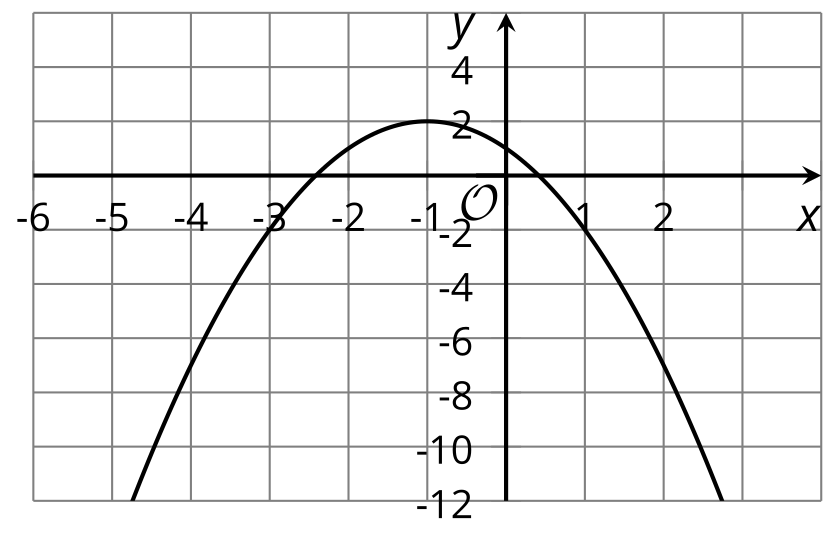
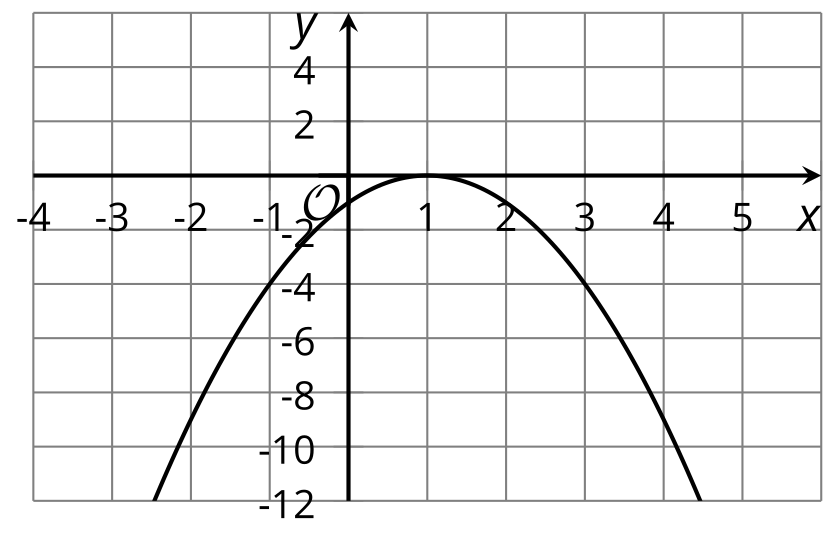
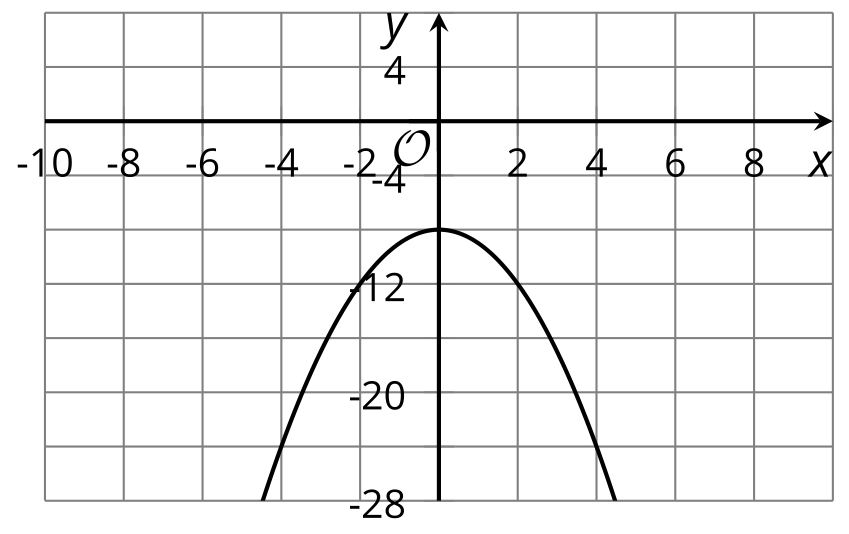
### Lesson 14 Practice Problems

1. Select **all** expressions that are perfect squares.
2. Find the missing number that makes the expression a perfect square. Next, write the expression in factored form.
3. Find the missing number that makes the expression a perfect square. Next, write the expression in factored form.
   1. Find the value of  to make the expression a perfect square. Then, write an equivalent expression in factored form.

| * + standard form | * + factored form |
| --- | --- |
|  |  |
|  |  |

* 1. Solve each equation by completing the square.

1. For each function , decide if the equation has 0, 1, or 2 solutions. Explain how you know.

* A
* 
* B
* 
* C
* 
* D
* 
* E
* 
* F
* 
* (From Unit 7, Lesson 5.)

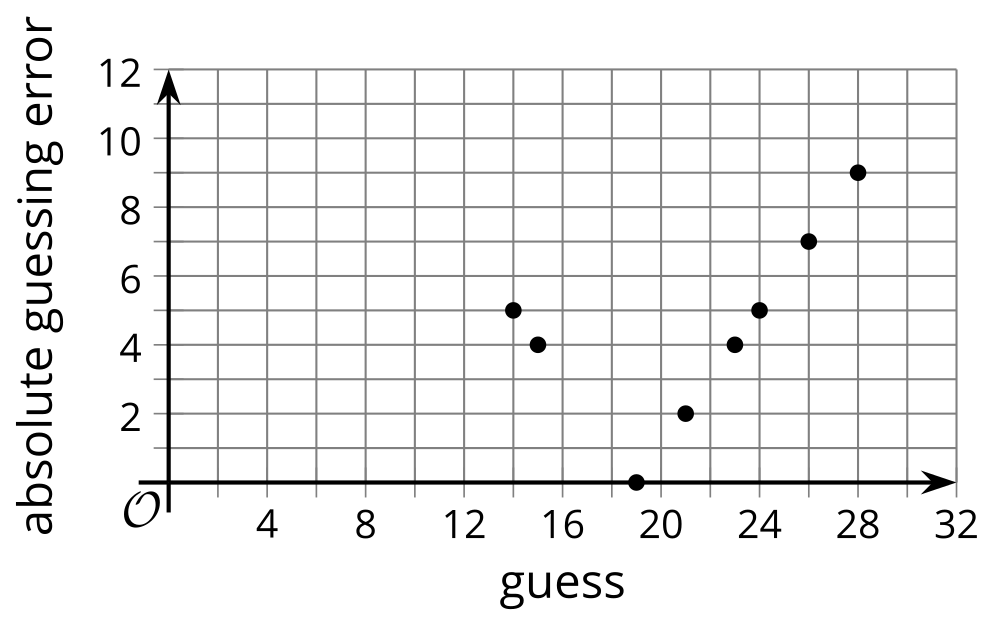
1. Solve each equation.

* (From Unit 7, Lesson 9.)

1. Which function could represent the height in meters of an object thrown upwards from a height of 25 meters above the ground seconds after being launched?

* (From Unit 6, Lesson 6.)

1. A group of children are guessing the number of pebbles in a glass jar. The guesses and the guessing errors are plotted on a coordinate plane.

* 
  1. Which guess is furthest away from the actual number?
  2. How far is the furthest guess away from the actual number?
* (From Unit 4, Lesson 13.)



© CC BY 2019 by Illustrative Mathematics®