### 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.

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

* 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.)



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