### Lesson 16 Practice Problems

1. What number should be added to the expression to result in an expression equivalent to a perfect square?
   1. -7.5
   2. 7.5
   3. -56.25
   4. 56.25
2. Noah uses the quadratic formula to solve the equation . He finds or 1. But, when he checks his answer, he finds that neither -2.5 nor 1 are solutions to the equation. Here are his steps:

* , ,
* or 1
  1. Explain what Noah’s mistake was.
  2. Solve the equation correctly.

1. Solve each quadratic equation with the method of your choice.
2. What are the solutions to the equation ?
3. Which expression is equivalent to ?

* (From Unit 3, Lesson 11.)

1. Write each expression in the form , where and are real numbers.

* (From Unit 3, Lesson 12.)

1. Let and . Write each expression in the form , where and are real numbers.

* (From Unit 3, Lesson 13.)



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