### Lesson 6 Practice Problems

1. Select **all** solutions to the equation .
   1. 49
   2. -49
2. Find the solution(s) to each equation, if there are any.
   1. If is a positive number, how many solutions does have? Explain.
   2. If is a positive number, how many solutions does have? Explain.
3. Suppose that a friend missed class and never learned what means.
   1. Use exponent rules your friend would already know to calculate .
   2. Explain why this means that is the cube root of 37.

* (From Unit 3, Lesson 3.)

1. Evaluate .
2. Write each expression without using exponents.

* (From Unit 3, Lesson 5.)



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