### Lesson 8 Practice Problems

1. Select **all** equations for which -3 is a solution.
   1. Use the graph of to estimate the solution(s) to the following equations.
   * 
   1. Use the meaning of cube roots to find exact solutions to all three equations.
2. Which are the solutions to the equation ?
   1. 5
   2. -5
   3. both 5 and -5
   4. The equation has no solutions.
3. Complete the table. Use powers of 16 in the top row. Use radicals or rational numbers in the second row.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  | * 1 |

* (From Unit 3, Lesson 5.)

1. Which are the solutions to the equation ?
   1. 64 only
   2. -64 only
   3. 64 and -64
   4. This equation has no solutions.

* (From Unit 3, Lesson 6.)

1. Find the solution(s) to each equation, or explain why there is no solution.

* (From Unit 3, Lesson 7.)



© CC BY 2019 by Illustrative Mathematics®