### Lesson 7 Practice Problems

1. Noah solved the equation . Here are his steps:

* Do you agree with Noah? Explain your reasoning.

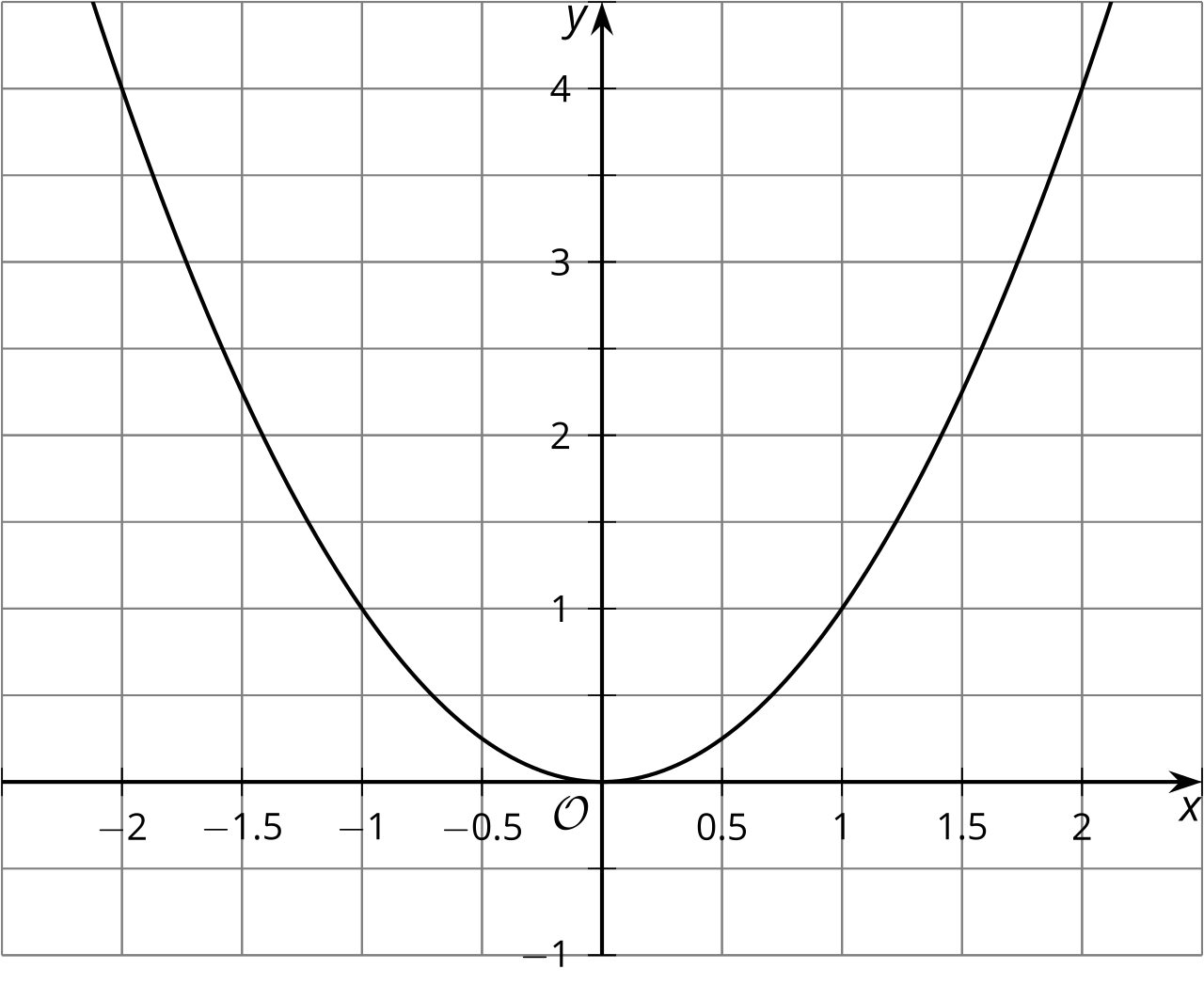
1. Find the solution(s) to each equation, or explain why there is no solution.
2. Which is a solution to the equation ?
   1. 86
   2. 81
   3. 9
   4. The equation has no solution.
3. Select **all** expressions that are equal to .

* (From Unit 3, Lesson 5.)

1. Which are the solutions to the equation ?
   1. 6 only
   2. -6 only
   3. 6 and -6
   4. This equation has no solutions.

* (From Unit 3, Lesson 6.)

1. Here is a graph of .

* 
  1. Use the graph to estimate all solutions to the equation .
  2. If you square your estimates, what number should they be close to?
  3. Square your estimates. How close did you get to this number?
* (From Unit 3, Lesson 6.)

1. The polynomial function has a known factor of . Rewrite as the product of linear factors.

* (From Unit 2, Lesson 12.)



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