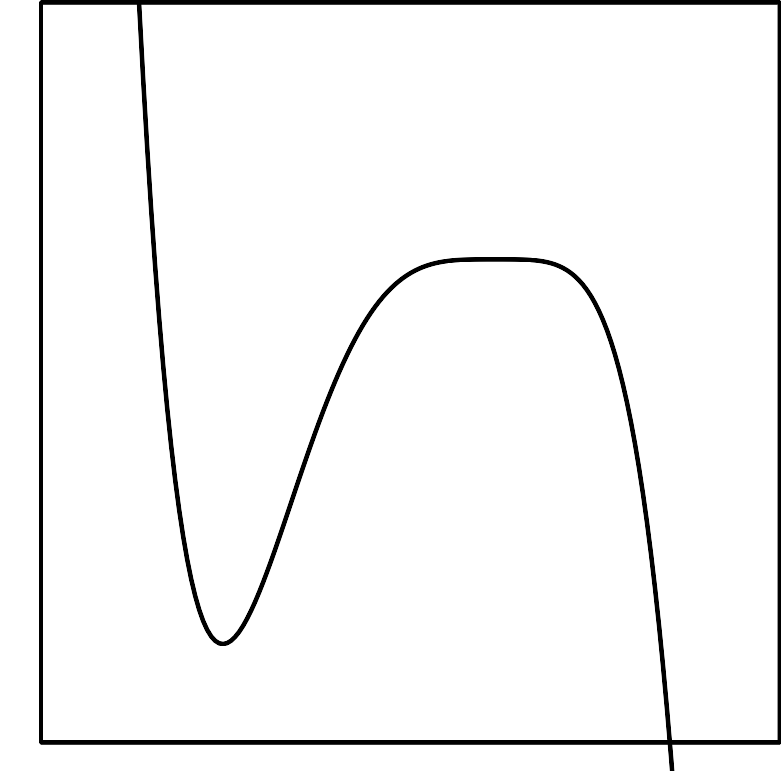
### Lesson 22 Practice Problems

1. Identify all values of that make the equation true.
2. Kiran is solving for , and he uses these steps:

* He checks his answer and finds that it isn't a solution to the original equation, so he writes “no solutions.” Unfortunately, Kiran made a mistake while solving. Find his error and calculate the actual solution(s).

1. Identify all values of that make the equation true.
2. Is this the graph of or ? Explain how you know.

* 
* (From Unit 2, Lesson 10.)

1. Rewrite the rational function in the form , where and are constants.

* (From Unit 2, Lesson 18.)

1. Elena has a boat that would go 9 miles per hour in still water. She travels downstream for a certain distance and then back upstream to where she started. Elena notices that it takes her 4 hours to travel upstream and 2 hours to travel downstream. The river’s speed is miles per hour. Write an expression that will help her solve for .

* (From Unit 2, Lesson 21.)



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