

NAME: \_\_\_\_\_

*P.I. A.A.26: Solve algebraic proportions in one variable which result in linear or quadratic equations*

1. Explain why you must check solutions of a rational equation in the original equation.

2. Write a rational equation which has the solution  $x = -3$ .

## Integrated Algebra Journal: Solving Rationals

www.jmap.org

Answers may vary. Sample: The solutions of a rational equation may include values for which the equation is undefined since the denominator is 0 for that value.

---

Answers may vary. Sample:  $\frac{2}{x} = \frac{-6}{x^2}$

---