

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

*P.I. A.A.22: Solve all types of linear equations in one variable*

1. Write two different equations which have a solution of  $-2$ . One equation must have the variable on both sides of the equation and the other must include parentheses.
2. Write an equation with variables on both sides for the solution  $x = -1$ .
3. When does an equation have no solution? Give an example.

## Integrated Algebra Journal: Solving Equations

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[1] Answers will vary. Sample:  $3x + 2 = 5x + 6$  and  $2(x + 5) = -3x$

[2] Answers may vary. Sample:  $3x + 1 = 2x$

Answers may vary. Sample: An equation has no solution if no value makes the equation true. The  
[3] equation  $3x + 1 = 3x - 2$  has no solution.