

## CH.3, L6 - EXIT TICKET

**Objective:** Given a linear equation, I will identify and create equations that have no solution or are an identity.

<b>Self-Assessment</b>	I mastered the learning objective today.	I am almost there.	Need more practice and feedback.
<b>Teacher Feedback</b>	You mastered the learning objective today.	You are almost there.	You need more practice and feedback.

1. Write a variable equation for each condition listed below then simplify your equation.

a. The **equation has no solution** and requires **combining like-terms on both sides** of the equation.

b. The **equation is an identity** and **uses the distributive property on one side** of the equation.

2. **Determine the number of solutions** the equation  $4x + 8 = 7x + 8 - 3x$  has.

CFS:

1. Equations start with definition of the number of solutions (*Ex:  $a = a$ ,  $a = b$  or  $x = a$* )
2. Properties of equality are used to add more to the equation
3. When prompted, combining like-terms and/or the distributive property is included
4. Final equation is checked by simplifying