Caligure Mth060 Name_____
Reading Guide 2.5 Due Date

Section 2.5: More Linear Equations: ax + b = cx + d

Objective

- Solve equations of the form ax + b = cx + d.
- Understand the terms *conditional equations, identities and contradictions*.

Instruct

1. Fill in the blank: Remember that the _____ is to get the _____ on one side of the equation by itself with a coefficient of _____.

2. Copy the 4 steps for the General Procedure for Solving Linear Equations:

1)

2)

3)

4)

3. After writing the equation, the next step to solve the equation $5x + 3 = 2x - 18$ is to _____.

4. After writing the equation, the next step to solve the equation $\frac{4}{5}n + 2 = \frac{2}{5}n - 4$ is to _____.

5. After writing the equation, the next step to solve the equation $3 + 2(3x + 5) = 6 - 2(x - 3)$ is to _____.

6. Complete the chart and include an example of each type.

Type of Equation	Number of Solutions	Example

Bonus! Solve the following equations, showing appropriate work down the page:

$5x + 3 = 2x - 18$ $\frac{4}{5}n + 2 = \frac{2}{5}n - 4$ $3 + 2(3x + 5) = 6 - 2(x - 3)$