Solving Equations with Variables on Both Sides of Equal Sign

1. Use the _____ to get rid of any _____.

2. Combine _____ Terms separately on each side of the equal sign.

3. Choose which side you would like your variable on. Add or Subtract to make an invisible _____ on the other side.

4. Solve using rules for equations with variable on one side of equal sign.

5. Remember to Verify by substitution.

$-3x + 20 = 4x - 22$

$13x - 2(x + 4) = 8x + 1$

$4 + n - 9 = -9 + 1 + 2n + 12$

$7x - 3x = -6(x + 10) + 5(-3 - 3x)$

$-13n - 53 = -2(2n - 14)$

$2(5 - 8k) - 13 = 9(1 - k) - 12$