**Literal Equations**

**Rewriting Formulas and Equations with Variables on both sides**

**Solving for a specific variable:**

Solving for a: 3x – 2a = 7a

3x – 2a = 7a 🡪 3x – 2a = 7a 🡪 3x = 9a 🡪 3x = 9a 🡪 (3/9)x = a 🡪 (1/3)x = a

 + 2a +2a 9 9

Equation🡪Combine like terms🡪 New 🡪 Isolate “a” 🡪 Answer 🡪 Simplified

 Add 2a both sides Equation Divide 9 Answer

Let’s Do One Together:

Solve for x: 3(bx – 2ab) = b(x – 7a) + 3ab

CFU:

1. Solve for a: 2(a – c) = 4a
2. Solve for b: 2x +3b = x – b

 9 2