

## SECTION 1.2: SOLVING MULTI-STEP EQUATIONS (PART 2)

Homework: \_\_\_\_\_

To solve equations, you have to do the \_\_\_\_\_ operation

Addition → \_\_\_\_\_                      Subtraction → \_\_\_\_\_

Multiplication → \_\_\_\_\_                      Division → \_\_\_\_\_

### Steps for Solving Multi-step equations

1. Distribute (if needed)
2. Combine Like Terms on each side
3. Move the number that is not touching the variable first

$$2(x - 3) + 8 = 22$$

$$5x - 3(x - 4) = -10$$

*How do you check your solution?*

**Solve.**

1.  $2x - 4 + 3x = 26$

2.  $-18 = 5 - \frac{x}{2} + 3$

4.  $4(x - 6) + 3x = -3$

5.  $3(x - 4) - 2(x + 1) = 8$