

1.2

**SOLVE MULTI-STEP  
EQUATIONS  
(DAY 3)**

# Solving Two-Step Equations

- Solve by using the INVERSE operation to undo operations
- Undo two-step equations by doing PEMDAS backwards!!

$$a) 3x - 25 = -37$$

$$b) 91 = \frac{p}{-5} + 84$$

## Practice

$$c) -3x + (-x) = 48$$

$$d) \frac{1}{4}y + 5 = 3$$

# Solving Multi-Step Equations

- Simplify (combine like terms) if you can
- Solve

$$e) \quad 5a - a - 7 = 13$$

## Practice

$$f) \quad -4n - 8n + 17 = 23$$

# Solving Multi-Step Equations

- Distribute if possible
- Simplify
- Solve

$$g) 4m + 8(z - 3) = 36$$

# Solving Multi-Step Equations

- Distribute if possible
- Simplify
- Solve

$$h) -3(x + 2) + 5x = -9$$