

1.2

SOLVE MULTI-STEP EQUATIONS

Solving Two-Step Equations

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

Examples

a) $2x - 15 = 15$

b) $837 = \frac{p}{2} + 37$

Examples

$$c) \quad -5.2 = -0.2 - k$$

$$d) \quad -7 = 9 - 4m$$

Practice

$$1) -3x + (-x) = 48$$

$$2) \frac{1}{4}y + 5 = 3$$

Practice

$$3) -0.07 = \frac{k}{8} + 0.1$$

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

Solving Multi-Step Equations

- Distribute if possible
- Simplify
- Solve

Examples

$$a) \quad 9a - a - 7 = 13$$

Solving Multi-Step Equations

- Distribute if possible
- Simplify
- Solve

Examples

$$b) \quad 35 = -5 + 2x - 7x$$

Solving Multi-Step Equations

- Distribute if possible
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Examples

c) $4z + 7(z - 2) = 41$

Solving Multi-Step Equations

- Distribute if possible
- Simplify
- Solve

Examples

$$d) -3(k + 1) + 4(k - 2) = 15$$