REVIEW

SOLVING 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

$a)\ 2x - 15 = 15$

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

Examples

$c) \ -5.2 = -0.2 - k$ $d) \ -7 = 9 - 4m$

Practice

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

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

Practice

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

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

Solving Multi-Step Equations

- **Distribute if possible**
- **Simplify**
- **Solve**

Examples

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

Solving Multi-Step Equations

- **Distribute if possible**
- **Simplify**
- **Solve**

Examples

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

Solving Multi-Step Equations

- **Distribute if possible**
- **Simplify**
- **Solve**

Examples

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

Solving Multi-Step Equations

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Examples

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

Solving Multi-Step Equations

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Examples

$$a) \quad 4x + 6 + 3 = 17$$

Solving Multi-Step Equations

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Examples

$$b) \quad r + 11 + 8r = 29$$

Solving Multi-Step Equations

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Examples

$$c)\ \ 10(1+3b) = -20$$