

WARM UP

Evaluate:

$$1) x/25 = 5$$

$$2) 25(t) = 125$$

$$3) 17x = 221$$

$$4) x \div 39 = 3$$

MATH COURSE I

Two-Step
Equations

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VOCABULARY (Review)

Equation: a mathematical statement that show two expressions are equal

Solution: the value or values that make an equation true

Inverse operations: operations that undo each other ex. Addition/subtraction, multiplication/division

Two Step Equations

- Get the variable by itself
- Undo operations using order of operations in reverse
- Undo addition and subtraction first
- Undo multiplication and division second
- Solve

Example

$$18 + 3x = 30$$

$$-18 \quad -18$$

$$3x = 12$$

$$\div 3 \quad \div 3$$

$$x = 4$$

Example 2

$$x/3 - 2 = 1$$

$$+2 \quad +2$$

$$x/3 = 3$$

$$x3 \quad x3$$

$$x = 9$$

Examples

$$6n + 3 = 21$$

$$8b - 4 = 12$$

$$4j + 4 = 12$$

$$2b + 4 = 12$$

$$3a - 1 = 11$$

Practice

Page 575 questions 6-11 and 19-24.