WARM UP

Evaluate:

1) $x + 4 = 45$

2) $25 - y = 11$

3) $m + 17 = 90$

4) $49 - e = 27$

5) $89 + t = 254$

MATH COURSE I

Equations and their Solutions

October 12, 2012

Mrs. Culverwell

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

linear equation: an equation whose solution forms a straight line on a coordinate grid

Multiplication Equations

Multiplication and division are inverse operations.

**Steps are the same as for addition and subtraction equations.

Example

1) $\frac{5p}{5} = \frac{75}{5}$

$p = 15$

2) $16 = 8r$

$16 \div 8 = 8r \div 8$

$2 = r$

Practice

Practice

Division Equations

Multiplication is the inverse operation of division.

Steps are the same.

$$x/7 = 5$$

$$x/7\ (7) = 5(7)$$

$$x = 5$$

Practice

Practice