Math Warm Up

Write the problem AND answers in the table below.

D	ivide any number by itself	My Thinking	Correct/Compare
M	Iultiply any number by itself		
		•	

Math Warm Up

Write the problem AND answers in the table below.

	My Thinking	Correct/Compare
Divide any number by itself		×
		×
Multiply any number by itself		2
		X

Objective

TSW solve linear equations with one variable by simplifying expressions using distributive property, laws of equality, and combining like terms.



Linear equations
can be used to solve
mathematical and realworld problems. A linear
equation with one variable
can have one solution, no
solution, or infinitely many
solutions.

Common Core State Standards 8.EE.7 Solve linear equations with one variable

8EE 7 Solve linear equations in one variable.

8EE 7a Give examples of linear equations in one variable with one solution, infinity many solutions, or no solutions 8EE 7b Solve linear equations with rational number coefficients

 Mathematical Practices 1 Solve problems/persevere 2 Reason 4 Model Mathematics 7 Look for and use structure

The objective uses several math vocabulary terms...

- *distributive property
- *laws of equality
- *combining like terms



*Can you create a wordtoon define one of these terms?

http://safeshare.tv/w/JKoxOhkyoS

$$2 0.6(1 - x) + 0.2(x - 5) = 10$$

2
$$0.6(1 - x) + 0.2(x - 5) = 10 x = -26$$

$$\frac{3x}{5} + \frac{x-1}{3} = \frac{2}{15}$$

$$\frac{3x}{5} + \frac{x-1}{3} = \frac{2}{15} \quad x = \frac{1}{2}$$

Independent Practice #1-3

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Challenge- Solve created equation or word-toon

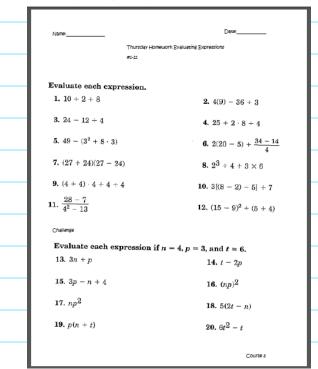
Mame:____

Practice 3.1

$$1 \quad 4x - (10 - x) = \frac{15}{2}$$

$$20.5(x + 1) - 1 = 0.2$$

Homework



Lesson Check —#3 Solve linear equation with one variable