Do Now

1. $\sqrt[3]{1} =$ 2. $7 \times -9 =$ 3. $\sqrt{196} =$ 4. $11^2 =$

5. $2y + 3y - 6(y + 12) = -19$

Combining Like Terms with Multiple variables, distribution, variables on both sides

I CAN:

- Solve one-step equations
- Solve two-step equations
- Solve multi-step equations (including combining like terms, variables on both sides, clearing fractions, etc.)

A-REI.1
A-REI.3

Simplyfing Expressions and Combining Like Terms

Expression:
--a math statement that includes variables, and numbers, and operations

$$3x - 4 + x + 2y$$

Variable:

--a letter that represents an unknown number

Coefficient:

--the number in front of (multiplied by) the variable

Constant:

--only a number, without a variable

Like terms :

-- have the <u>same</u> variable & exponent but can have different coefficients

Must include the sign before the variable, coefficient or number!!

Combining Like Terms

$$7x - 6 - x + 2y - 11$$

Distributive Property

$-2(a - 3) = 6$

Variables on both sides

$$11c - 12 = 7c + 24$$

Putting it all together

CFU

$$4n = 2(n + 1) + 3(n - 1)$$

Equation Cut Out

Partner Problems

Quiz