

Tuesday August 28, 2018

Warm - Up

Simplify the following expression and then identify the following:

$$-4 (2x^2 + 8x - 12)$$

Number of Terms:

Coefficients:

Variables:

Factors:

Constants:

Today's Agenda:

1. Review warm up
2. Review 2 questions from homework
3. Words that represent operations notes
4. Practice (whole group)
5. Notes on review of equations
6. Independent Practice

7. Exit Ticket

Tonight's Homework:

- Save website to your favorites
- Complete Tuesday's Homework

DUE FRIDAY!

Translating Verbal Expressions into Mathematical Sentences

Take 5 minutes and try to fill in as many words that mean the following:

Addition **Subtraction** **Multiplication** **Division**

Special Words

Turn Around Words

From

Than

Words that mean "equal to"

is, are, were, will be, gives, totals

(Parenthesis) Words

Times the difference of

Twice the sum of

Plus the difference of

Notice the word "of"
is connected to the
function word!

Let's Try a Few Together...

1. Twice the sum of x and 3 less than 5

You have 5 minutes to write each problem, leave 2 lines between each problem.

2. Fifteen more than three times a number

3. Twice the sum of 13 and x

4. One-fourth of the sum of 8 and y plus the product of 7 and x

5. y cubed minus the product 2 and x plus 8

6. The sum of one-fifth of a , three-fourths of b , and c

7. One-sixth of b subtracted from the product of 12 and a

What do you know? You have 5 minutes to work independently Go!

Solve:

1. $3x - 18 = -24$

2. $x + 12 = 26$

3. $7x = 21$

4) $\frac{3}{4}x = 12$

Solving 2 Step Equations

What are the Steps
to Follow to solve a
two-step equation?

Example 1: $9x + 12 = 75$

1. box the variable when there is only one term with a variable
2. use the inverse operation for addition, subtraction, multiplication and division
3. use substitution to check your answer

$$x - 3 = 10$$

-9

Check

$$25 + 7n = -24$$

Check

$$3x - 5 = 7$$

Check

$$10 = -3n - 2$$

Check

$$-8.3 = -3.5x + 13.4$$

Check

$$\frac{y + 5}{11} = 3$$

Check

$$10 = \frac{x - 2}{5}$$

Check

$$5 = \frac{n + 9}{2}$$

Check