

## Math 7H - Unit 2a

### Day 1 - Basic Expressions Review

#### Lesson Objectives:

- I can identify the different parts of an expression using mathematical terms.
- I can model expressions using algebra tiles.

Fill in each definition with the correct vocabulary word.

- An expression is a mathematical statement with numbers, variables and/or at least one operation.
- A variable is a symbol that represents an unknown quantity.
- The branch of mathematics that involves expressions with variables is called algebra.
- When you evaluate an expression, you find its numerical value.
- When addition or subtraction signs separate an algebraic expression into parts, each part is called a term.
- Factor One or more numbers that are multiplied together to form a product is called a factor.
- The numerical factor of a multiplication expression that contains a variable is called the coefficient.
- A term without a variable is called a constant.
- The sum is the answer to an addition problem.
- The difference is the answer to a subtraction problem.
- The product is the answer to a multiplication problem.
- The quotient is the answer to a division problem.

Identify the terms, coefficients, and constants in each expression.

$$6n + (-7n) + (-4) + n$$

terms:  $6n, -7n, -4, n$   
 coefficients:  $6, -7, 1$   
 constants:  $-4$

$$9y - 4 - 11y + 7$$

terms:  $9y, -4, -11y, 7$   
 coefficients:  $9, -11$   
 constants:  $-4, 7$

$$3x + 2 - 10 - 3x$$

terms:  $3x, 2, -10, -3x$   
 coefficients:  $3, -3$   
 constants:  $2, -10$

$$3x - 5 + 2x - x$$

terms:  $3x, -5, 2x, -x$   
 coefficients:  $3, 2, -1$   
 constants:  $-5$

We often use algebra tiles to help us model expressions.

#### Cut Out Algebra Tiles

In the end your individual plastic bag will have...

40  40  15  15 

Each packet should contain:

- a ruler
- a pair of scissors
- a protractor
- a compass
- a pencil



## Homework

### Model with Algebra Tiles WKS

#### \* Individual Think Time \*



What to do if you get stuck...

- Reread the problem. Did you write it down correctly?
- Reread your notes. Is there a problem similar that we did together in class?
- Find a problem similar in your book. Try this one to see if it helps.
- Skip the problem until the end of Individual Think Time. Then ask an "educated" question of a neighbor or Mrs. Call.

Today we're working by...

