Unit 0 Prerequisites from Prior Courses (Review) Notes Day 8 Equations and Problem Solving (PH Alg 2-5)

ADDITION

Name	
Date	Hour

SUBTRACTION



Example 1: The sum of a number and 5.	X + 5
Example 2: A number decreased by 7.	N – 7
Example 3: 10 less than a number.	X - 10



Example 4: Three times a number is decreased by 2. 3N – 2

Example 5: 12 times the sum of a number and 4. 12(X + 4)

*Perimeter* is the length around the edges of a figure. You can find it by adding all of the sides.



**Example 6:** The perimeter of a rectangle is 32ft. Find the dimensions if the length is 4ft longer than 3 times the width.

- A. Assign a variable for the unknown quantity.
   Width = \_\_\_\_\_

   Use the variable to write an expression for each side of the figure.
   Length = \_\_\_\_\_
- B. Sketch a diagram and label the given information.
- C. Write an equation.
- D. Solve for the unknown.
- E. Find the missing sides. Use a separate sheet of paper and show all work for full credit.

Homework: Complete the Day 8 Worksheets Part 1 and Part 2.