

Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Class: \_\_\_\_\_

Algebra  
Unit 1  
HW 1-8

1) If  $x$  represents the number of dollars in Jon's bank account, write an expression for 9 less than  $\frac{1}{2}$  the amount of money in Jon's bank account.

2) If  $y$  represents the number of laps Sue swam at the pool yesterday, write an expression for the number of laps she wants to swim today if she wants to swim 7 more than twice what she swam yesterday.

3) Gary is  $h$  years old. Jimmy is 7 less than 4 times Gary's age. Write an expression that is a ratio showing twice Gary's age to 3 times Jimmy's age.

4) If a number is represented by  $x$ , write an expression that is one fourth the sum of this number and 6.

5) Simplify:  $2(4x - 5) - (x - 3)(x - 6)$

6) If  $b$  represents Joe's age, write an expression for Jim's age if he is 2 less than 3 times as old as Joe. Jen is 4 more than half of Joe's age, write an expression for this age.

7) Find an expression that will show the combined age of all 3 people in #6. Be sure to simplify this expression.

8) The first of 3 consecutive odd integers is  $x$ . Write an expression for the next 2 odd integers (think of 3 consecutive odd integers, what is the pattern)?

9) Would 3 consecutive even integers have the same expressions as the odd integers in #8? Why or why not?