

Name: \_\_\_\_\_

**Math 80 Worksheet #1**  
**January 19, 2007**

1. Solve  $A = p + prt$  for the variable  $t$  ( $p \neq 0$ ,  $r \neq 0$ ).
2. When the smaller of two consecutive numbers is added to three times the larger, the result is 51. Find the integers.
3. You have a yard (36 inches) of fabric and you make two cuts, which produces three strips of fabric. The longest strip is 1 less than 3 times the length of the shortest strip and the middle-sized strip is 1 more than twice the length of the shortest strip. How long are each of the strips?
4. What amount of pure gold is found in 16 ounces of 18 carat gold? (Note: 24 carat gold is pure gold.)