Algebra 1   Name_____

5.8 HW   Date_____ Algebra_____

Define your variables, write your system of equations, solve the system and state the solutoin in a full sentence:

1) Trevon and Mofor are selling cookie dough for a school fundraiser. Customers can buy packages of chocolate chip cookie dough and packages of gingerbread cookie dough. Trevon sold 9 packages of chocolate chip cookie dough and 2 packages of gingerbread cookie dough for a total of $65. Mofor sold 2 packages of chocolate chip cookie dough and 1 package of gingerbread cookie dough for a total of $20. Find the cost each of one package of chocolate chip cookie dough and one package of gingerbread cookie dough.

Solve each system by substitution.

2) $5x + y = 18$
$7x - 2y = -2$

Solve each system by elimination.

3) $10x + 2y = -4$
   $8x + 9y = 19$

Solve each system by graphing.

4) $y = x + 2$
   $y = 7x - 4$