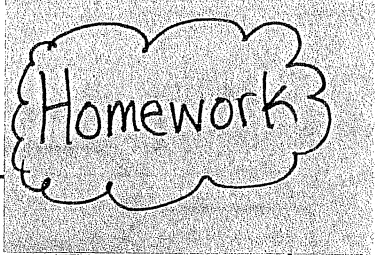Name: _____

Algebra Word Problems

1. There are 12 golf balls in a bucket. There are x white golf balls and 5 orange golf balls.

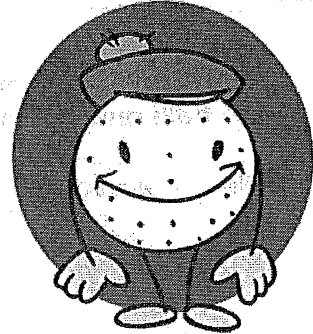   Which equation illustrates this situation? (Circle one.)

    x - 5 = 12   x + 5 = 12

    12 + x = 5   5x = 12

    What is the value of x? _____

2. You have $x. You spend $3 to play golf. You have $8 left.

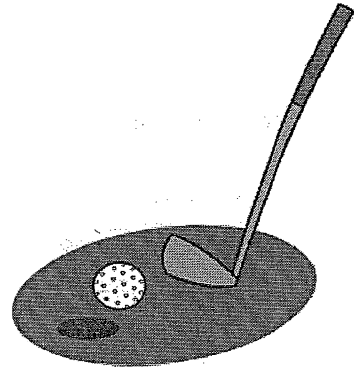   Which equation illustrates this situation? (Circle one.)

    $3 - $x = $8 $x + 3 = $8

    $8 - $3 = $x $x - $3 = $8

    What is the value of x? _____

3. A group of x golfers are split up into 3 equal groups. There are 4 golfers in each group.

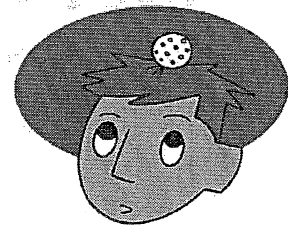   Which equation illustrates this situation? (Circle one.)

    $\frac{x}{3} = 4$ $\frac{3}{x} = 4$

    4x = 3   3x = 4

    What is the value of x? _____

4. Your have x golf tees in your bag. Your sister has 4 times as many tees as you do. Your sister has 36 tees.

    Which equation illustrates this situation? (Circle one.)

    $\frac{x}{4} = 36$ $\frac{4}{x} = 36$

    36x = 4   4x = 36

    What is the value of x? _____

Equalities
Addition and Subtraction

Find the missing numbers. Show your work.

a. $26 - 4 = 12 +$ _____

b. $13 +$ _____ $= 15 + 1$

c. $20 - 7 = 18 -$ _____

d.   _____ $+ 2 = 45 - 2$

e. $34 -$ _____ $= 20 + 14$

f. $5 + 41 =$ _____ $- 4$

g. $8 +$ _____ $= 24 - 8$

h. $62 - 13 =$ _____ $+ 4$

i. $100 - 47 = 60 -$ _____

j.   _____ $+ 12 = 36 - 12$

★ Challenge:

$120 - 35 = 100 -$ _____ $= 60 +$ _____