

## HW: Writing & Solving Equations (Addition & Subtraction)

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

- 1) What's the difference between an expression and an equation?

### Write the word sentence as an equation.

- 1) The sum of a number  $m$  and  $-23$  equals  $12$ .
- 2)  $-3$  times a number  $x$  is  $40$ .
- 3) A number  $w$  divided by  $19$  equals  $-18$ .
- 4)  $-40$  is one-fourth of a number  $m$ .
- 5)  $30$  less than a number  $n$  equals  $57$ .
- 6)  $-30$  is the quotient of a number  $y$  and  $5$ .
- 7)  $30$  more than a number  $n$  equals  $60$ .
- 8) You hit a golf ball  $50$  yards. It travels one-third of the distance to the hole. Write an equation you can use to find the distance  $d$  (in yards) from the tee to the hole.  
**An equation you can use is:**  
**Solve the equation.**

9) Tell whether  $w = 50$  is a solution of  $w - (+ 23) = 22$ .

10) Solve the equation.  $34+x=80$

11) Solve the equation.  $y+20= -50$

12) Solve the equation.  $2.5+m= -5$

13) Solve the equation.  $86-(-m)= -36$

14) Solve the equation.  $x+32= -36$

15) Solve the equation.  $-22+m= 30$

16) Solve the equation.  $12-m= -36$

17) Solve the equation.  $10-y= 53$

18) Solve the equation.  $-m+9= 30$

19) Solve the equation.  $y+(-9)= 41$

20) Solve the equation.  $-m-8= 30$