

## Homework #2 - Words to Expressions

**Write each as an algebraic expression.**

1) the sum of 3 and  $y$

2) twice 11

3)  $v$  decreased by 14 is equal to 30

4) the sum of a number and 11 is equal to 50

5) the sum of  $a$  and 10 is equal to 29

6)  $n$  squared is equal to 9

7) the quotient of 12 and 6

8) the difference of  $n$  and 15 is 28

9) the product of  $n$  and 11 is 13

10) the difference of  $u$  and 9 is equal to 44

11) the difference of  $t$  and 3

12)  $q$  cubed is equal to 50

13)  $n$  decreased by 10 is 7

14) a number increased by 11 is 26

15) a number squared

16) the difference of a number and 13

17) the quotient of  $m$  and 7 is equal to 20

18)  $b$  cubed

19) 8 less than  $n$

20) 5 more than 11

**Convert each sentence to an expression with a variable. Use a “LET” statement to define the variables.**

21) Kelly is driving to a friend's house from her house. She has driven a third of the distance.

22) The length and width of a rectangle is 36cm.

23) Julie has \$12 more than Helen.

24) It costs 4 times as much to go to the movie theatre than to rent a movie.

25) In a pile of coins, there are 15 more loonies than quarters.

26) On a farm, there are 5 more chickens than twice the amount of cows.

27) An airplane had 3 less males than a third of the females.

28) The difference between Mike's and Anne's age is 15.