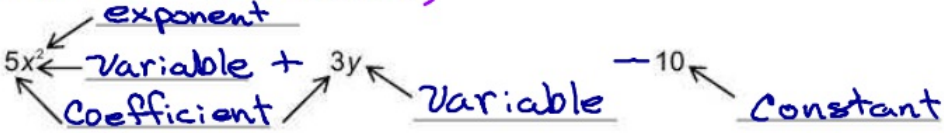
Sec I – Unit 5 Expressions & Equations Name_____ ID: 1

Notes - Day 1 Verbal Expressions Date_____Period_____

Vocabulary	Definition	Example
Expression	Terms, Variables, operations, No equal sign.	$5x+2$
Equation	Terms, Variables Operation and an equal sign	$6x+3=8$
Variable	an unknown number represented by a lowercase letter (Capital letter is a name)	x, y, b, c, d, e, z, (not o or i)

Terms: Separated by + or −



Operations Vocabulary:

a number (x)	
Addition	**Subtraction**
• sum • increased by • more than • plus	• difference • decreased by • less than * • minus
Multiplication	**Division**
• product • times • twice (2 times), doubled, • of	• quotient → first ÷ second • divided by • half (divided by 2) • fraction
Powers	
• squared • cubed • to the _____ power	
is (=), equal	

Notes - Day 1 Verbal Expressions

Date_____ Period____

Determine if the following is an expression or equation

1) 12 times a number

Expression

2) the product of a number and 5 is equal to 42

Equation.

3) a number times 10

Expression

4) the product of a number and 6

Expression

5) 11 more than a number is equal to 18

Equation

6) twice 11

Expression

7) a number increased by 11 is equal to 20

Equation

8) 8 to the n

Expression

9) n to the 9th is 21

Equation

10) the product of a number and 11 is 37

Equation

11) a number times 12 is equal to 50

Equation

12) the difference of 13 and a number

Expression.

Write each as an algebraic expression. (number sentance)

13) 16 decreased by 11

$16 - 11$

14) n more than 6 (n variable)

$n + 6$

$6 + n$

15) 6 to the 2nd (Exponent)

6^2

16) half of a number is 43

$\frac{n}{2} = 43$

or $\frac{1}{2}n = 43$

17) the sum of a number and 11

$x + 11$

18) a number cubed is equal to 50

$n^3 = 50$

19) n less than 27

~~$n - 27$~~

$27 - n$

20) the sum of a number and 5 is 33

$x + 5 = 33$

Write each as a verbal expression. (word Sentence)

21) $c - 21 = 39$

c minus 21 is equal to 39

c minus 21 is 39

21 less than c is 39

22) $n + 7 = 12$

n plus 7 equals 12

23) $n^2 = 17$

n squared is 17

24) $n - 6 = 25$

25) $n - 12 = 29$

26) $\frac{20}{n}$ The quotient of 20 and n

20 divided by a numbern

27) $n - 5 = 8$

$\frac{20}{40} = \frac{1}{2}$

28) $n + 8 = 45$

