Vocabulary

Name: _____

	Francis	W/b-t-d2
	Example	What does it mean?
Variable	\bigcirc / \circ	letter that represent
, and	La	an inknown #
Coefficient	0.0	
Coefficient	2X 34	# that is in front of
Constant	11 12 2	Plain, paked #
Constant	4-103	Man, Mes H
Expression	21, 7.	
Expression	4x-3y	no equal sign
Terms	2 10	canal ad las
Terms	3y-12x+1	sepanated by tand-
Like Terms	21	b and 6 along 1 and 1 lo
LIKE TETTIS	4x +3x	have same variable
Monomial	7 -	1 1000
ivionomiai	32	1 term
Dinomial	0 14	
Binomial	atb	2 terms
Tuinomial	20 - 1-10	
Trinomial	3c-a+b	3 terms
Dalam 1.1	1 110 11	/)
Polynomial	3y+10-4x+c	4 OR MORE TERMS
		\
Equation	4x - = 12	Mas = sign
		· ~ · · ·

WORD WALL:

Addition (+):

- More
- Sum → (and)
- Increase
- Plus
- Total → (and)
- Added to
- Combined
- Include

Subtraction (-):

- Less Difference → (and)
- Decrease
- Minus
- Diminished
- Exclude
- Remove
- Take away
- Reduced

Multiplication (x):

- Times
- Product → (and) Twice (*2)
- Doubled (*2)
- Triple (*3)
- Of
- Multiple

Division (+) :

- Divided By
- Quotient → (and)
- Separated
- Split
- Cut

Tricky:





To

Convert the following phrases and sentences to algebraic expressions:

1. "The sum of three and an unknown number."



3. "A number doubled reduced by five."



5. "The product of three and an unknown number diminished by eight."



7. "The quotient of a number tripled and six."



9. "Ten subtracted from twice a number."



11. 4 of a number increased by seven.

4a+7

13. Five add to a number squared.

 $5+x^2$

2. "Three less than an unknown number."



4. "The number of five increased by three times a number."

6. "Four subtracted from a number."

 $\times -3$

8. "Three times the sum of a number and four."

3(x+4)

10. "Twice the difference of 7 and a number."

2(7-x)

12. Twice the total of a number and three.

2(3tx)

14. Nine decreased by a number cubed.

 $9 - x^3$

15. Lori is 4 years younger than Shawn. Write an expression that represents Lori's age in relation to Shawn.

5-4 5= Shawn

16. Jennifer is 1 year older than twice Zack's age. Write an expression that represents Jenifer's age in relation to Zack.

22+1 2= Zack

17. Jerry worked 2 hours less than four times as many hours as Katrina worked. Write an expression that represents the number of hours Jerry worked in relation to Katrina.

4K-Z K= Katrina

18. In a given rectangle the shorter side is 2 units less than the longer side. If we let the longer side be represented as the variable x, create an expression that represents the perimeter of the rectangle.

19. In an isosceles triangle (a triangle where two of the three sides called legs are equal), the legs are 1 unit less than twice the length of the base. If the length of the base of the triangle is represented by x, create an expression that represents the perimeter of the triangle.

2x-1x-2x-1 sides

5x-2

5x-2

20. Andrea is three times older than Eliza. Suzie is 4 years older than Eliza. If Eliza's age can be represented by x, create an expression that represents the combined age of all three girls.

Andrea Eliza Suzie = 5X+4

3X + X + X+4 = 5X+4