EQUATION:			
1. has an equal sign			
2. two expressions that equal each other			
3. Solve for the variable using			
opposite operations			
ADD ←→→ SUBTRACT			
MULTIPLY ← DIVIDE			
EXPONENTS ← ROOT			
Linear Equation:			
involves one variable and real numbers			
General or Standard form AX+B=C			
Steps to Solving Linear Equations:			
1. clear Fractions-multiply by LCD			
2. simplify each side - combine like terms (PEMDAS)			
3. isolate variable (letter by itself)			
4. Check your Answer			
What are like terms? same VAriable and same exponent			

Solve the equations

ex. 
$$2x + 6 = 10$$
  
-/6 -6

$$\frac{\partial x}{\partial x} = 10$$

ex. 
$$4x-2x-5=4+6x+3$$

$$2x-5=7+6x$$

$$-4x-5=7$$

$$\frac{-4\times}{-4} = 12$$

multiply parentheses

using distributive property.

ex. 
$$2(x-5)+3x = x+6$$

$$2x - 10 + 3x = x + 6$$

	7.1 continued	MATH 1010
and the same of th		
ex,	3(2x+1) -2(x-2)=5	
***	6x+3-2x+4=5	
	4x+7=5	
	-7 -7	
	4x = -2	
j	$\frac{4x}{4} = -2$	
a 7 S		
	X = -2 -1	
	X = -2 -1 4 2	
ex,	3× 5× 13	24 0 0 12
	$\frac{3x}{4} + \frac{5x}{2} = 13$	$\frac{8\times 9\times -9\times -13}{3}$
1		3 1
	4.3x + 5x . 4 = 13.4	12.8x - 2x.12 = -13.12
	4.3x + 5x.4 = 13.4	18.8x - 9x · 18 = -13 · 19
		<u> </u>
11	3x + 10x = 52	32. / = -15/
	132 = 57	32x - 6x = -156
	$\frac{13x = 52}{13}$	26x = -156
	12 13	26 26
$\cap$	X = 4	V = ==/
		X = -6
The state of the s		

ex. 
$$-3x + 5x - 9 = 3(x - 4) - 5$$
  $5x + 4x + 13 - 3(3x + 4)$ 

$$3x - 9 = 3x - 12 - 5$$
  
 $3x - 9 = 3x - 17$ 

if you get 0=0

false, no solution of contradiction

then this is true, infinite number of solutions, identify

ex. (ex +2(x-2) = 9x +4

6x+2x-4=9x+4

8x - 4 = 9x + 4

8x = 9x +8

-1x = 8

X = -8

if you get A solution

then it's called conditional