Notes - One-Step Equations

Name: Mey

- 1) To solve an equation for a given variable, you need to do the "INVERSE" of whatever has been done to the variable.
- 2) You want to get x by 14581f; that is, the "Variable" on one side.
- 3) Since an equation is a balanced scale, whatever you do to the one side, you must do the exact same thing to the side!

YOU MUST SHOW ALL OF YOUR WORK AND CHECK EVERY ANSWER			
1) y+3=10 y=-3 y=-1 You do +he You do +he Operation to Solve for	Check: y+3=10 (7)+3=10 10=10	2) +-19=36 +19 +9 +=145	Check: $t-9=36$ $(45)-9=36$ $36=36$
Solution: U=17		Solution: t=45	
3) $\frac{8z = 56}{8}$ $Z = 7$ Solution: $Z = 7$	Check: $87 = 56$ 8(7) = 56 56 = 56	Solution: $b = 7.4$	Check: $\frac{6}{4} = 7$ $(28) = 7$ $7 = 7$ $7 = 7$
		0 = 00	
5) $x + 36 = 132$ $-36 = -36$ $X - 96$	X+3G=13a (9G)+3G=13a 13a=13a	6) $a - \sqrt{21} = 47$ $+ \frac{1}{2} + \frac{1}{2} $ $0 = 68$	$a - a_1 = 47$ $(68) - a_1 = 47$ $47 = 47$
Solution: X=96		Solution: 0 = 68	

15 - 22 15C - 225		
(8)	8=27	
F=15 15(15)=225 d=216	(216)=27	
225=225 527	0	
× 8 216	27=27	
Solution: Solution: Solution:		
T-10	0=016	
9) $\frac{p}{8} = 2 - 8$ Check: 10) $\frac{d + 28 = 85}{-2/8} = 2$	d+28=85	
P=100 (100) 0=57	(57)+28=85	
$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 &$	85=85	
2-2		
Solution: O=1Co Solution: O=5	Solution: 0 = 57	
11) $n - 31 = 36$ Check: 12) $8y = 64$	Check:	
+81 +31 N-31-36	84-64	
n = G7 $(G7) - 31 = 3G$ $y = 8$	8(8)=(64	
3G=3C	C04=C04	
Solution: $\sqrt{-67}$ Solution: $\sqrt{-8}$	Solution: U=8	
Check: 14) $97 = w - 47$ 13) $5 = 20 = 5$ $2 - 20$ $+47 + 47$	Check:	
13) 5 = 20 +47 +47	97=60-47	
p=100 (100)=20 1447 co	97=(144-47)	
20=20		
Solution: (D=144		