Sec I - Term 1 Solving Equations Name_____ ID: 1

Notes T1-06 Solving One & Two Step Equations

Date_____ Period____

1) Solving Equations.

Steps to Solving Equations:

1) Dist. Property $4(x+2)$ $4x+8$
2) Comb. Like terms.
3) Get all x's on one side
4) Get all Constant number on other side.
5) Multiply or divide to get answers.

Possilbe Solutions:

1) One solution
2) no solution $-3 \stackrel{?}{=} 8$
3) Inf. Solution
   Many Solution
   All Solution
   All Real numbers
   $x = x$
   or
   $-3 = -3$

Solving One Step Equations.

2) $3 = -1 - n$

$+1 \quad +1$

$4 = -n$

$\frac{4}{-1} = \frac{-n}{-1}$

$-4 = n$

3) $n + 11 = 3$

$-11 \quad -11$

$n = -8$

4) $\frac{v}{5} \cdot 5 = 10 \cdot 5$

$v = 50$

5) $\frac{x}{4} \cdot 4 = 10 \cdot 4$

$x = 40$

6) $-3 + m = -16$

$+3 \quad +3$

$m = -13$

7) $x + (-9) = 3$

$+9 \quad +9$

$x = 12$

8) $v - 5 = -16$

$+5 \quad +5$

$v = -11$

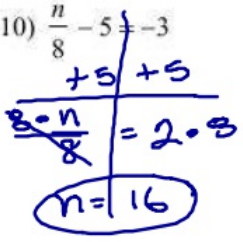
9) $v + (-13) = -1$

$+13 \quad +13$

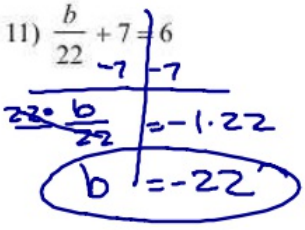
$v = 12$

Solving Two Step Equations

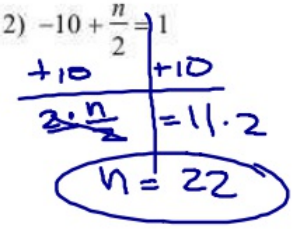
10) $\frac{n}{8} - 5 = -3$



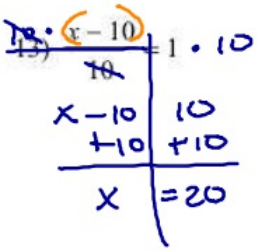
11) $\frac{b}{22} + 7 = 6$



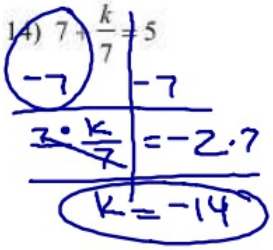
12) $-10 + \frac{n}{2} = 1$



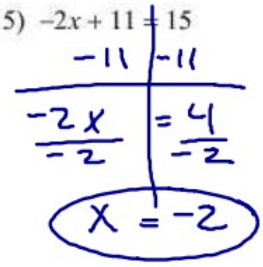
13) $\frac{x - 10}{10} = 1 \cdot 10$



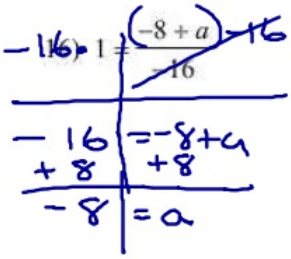
14) $7 + \frac{k}{7} = 5$



15) $-2x + 11 = 15$



16) $1 = \frac{-8 + a}{-16}$



17) $-7 = \frac{n}{2} - 4$