

Assignment-Day 5: Solving Equations

Date _____ Period _____

1) Solving means

1 - Distributive Property - to Eliminate Parenthesis

2 - Combine Like Terms - get same variable with same exponent together

3 - Get all Variables (x's) on one side of the equal sign

4 - Get all Constant numbers on the other side of the equal sign

5 - Multiply or Divide to get Variable (x) all by itself.

Solve each equation (Remember: One Solution, No Solution, All Real Numbers). You must show at least three steps for each problem. NO CALCULATORS!

2) $b + 2 + 5b = 8$

3) $-4 + 3p - 4p = -1$

4) $5(2 - 4k) = -70$

5) $5(5r - 4) = -145$

6) $3x - 6 = -x + 2(3x - 3)$

7) $-3n + 6 = -3(n - 2)$

8) $4(4x - 4) + 5 = -107$

9) $-103 = -5(5 + 4x) - 6x$

$$10) -6(1 - n) + 5 = 6n$$

$$11) 6(1 + 2b) = 6b - 24$$

$$12) -6(v + 4) + 3(v + 2) = -36$$

$$13) -3(1 + 6n) - 5(n + 6) = -10$$

$$14) -6(1 - 4a) - 2a = -(a + 6) + 5a$$

$$15) -5(r - 2) = 4(1 + r) - 6r$$

$$16) -1 - 6(2n + 1) = -6(1 + 2n)$$

$$17) 4(6v - 3) = -4(-v - 2)$$