

Homework #2 - Variables on Both Sides

Date _____ 5T _____

Solve each equation.

1) $2 - x + 8x = -8 + 2 + 2x + 4x$

2) $1 + 8b = -7 + 7b$

3) $-k + 6 = -2k$

4) $4m - 2 + 3 = 6m + 15$

5) $5 - 3p = 1 - 2p - 3$

6) $-7n - 3 = -4n + 12$

7) $-4 + 4x = 5x - 10$

8) $-13 + 4p = p - 4$

9) $2n - 8 = 8 + 6n$

10) $3m + 4 = -8m - 7$

$$11) -12x + 14 + 21x = -52 + 7x$$

$$12) 29b + 2b = -56 + 38b$$

$$13) 23 + 31b - 9 - 34 = 32b + 2 + 9$$

$$14) 33x + 20 = 25x - 4$$

$$15) 46 - 9r = -20 - 15r$$

$$16) m + 22 = 22 + 34m$$

$$17) -6.223 + 0.7 + 6.4m - 3.497 = 1 + 7.2m - 4.1$$

$$18) 3.5 + 3.28k + 1.6k = 16.4704 - 1.4k + 3.8k$$

$$19) 10.88 + 2.7x = 1 + 1.4x$$

$$20) -1.37x - 0.3x = 9.204 + 0.1x$$