

2-4B: Equations with Variables on Both Sides Date _____ Period ____ Table _____

Solve each equation. Show all your work!

1) $16 + 3x = 2(x + 4)$

2) $2 - 4(2m - 8) = 37 - 8m$

3) $-2x + 31 = -3(4x - 7)$

4) $-(3k - 6) = -4 - k$

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

6) $x + 6 = -6 + 4x$

$$7) \ 8k + 1 = 1 + 8k$$

$$8) \ n - 4 = n - 1$$

$$9) \ -35 - n = 6(1 + 7n) - 2n$$

$$10) \ -47 + 8b = -8(5 - b)$$

$$11) \ -40 + x = -7(x + 8)$$

$$12) \ -31 - 5x = -6(x + 4)$$