

Multi-Step With Variables on Both Sides

Date _____ Period _____

Solve each equation.

1) $8 + 4n = -(2n - 8)$

2) $-3(-1 + 2n) + 5n = -3n - 9$

3) $6(1 - 8m) = -2m - 40$

4) $-7(-6 + 3x) = -33 - 6x$

5) $31 + 3r = -4(1 - 2r) + 5$

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

7) $-9 + 7a = 8(2a - 5) - 5$

8) $3(1 - n) = -11 - 5n$

$$9) -(3n + 1) = 4 - 8n$$

$$10) 6x - 8(-4 - x) = -5x - 6$$

$$11) 6(-5b + 7) = 6 + 6b$$

$$12) -8(1 + p) - 8 = -7p - 10$$

$$13) -4(4n + 2) = 3n + 11$$

$$14) 7n + 4(-6n + 6) = 3 + 4n$$

$$15) -4 - 7n = -2(-1 + 3n)$$