

# Extra Practice: (5.4) Equations with Variables on Both Sides

Pre-Algebra

Name \_\_\_\_\_

Solve each equation.

1)  $-22 + 4m + 5 - 12m = 1 - 7m - 8$

2)  $2p + 11p = 9p - 20$

3)  $6p + 6p - 8 = 1 + 11p$

4)  $7 - 8k = 4 - 7k$

5)  $-10 - 6(7x - 7) = 8x - 18$

6)  $-2 - 8x = 7(5x + 12)$

7)  $37 + p = -6(4p - 2)$

8)  $7(b + 9) = 47 + 9b$

9)  $-7(12 - 7v) = 8(7v - 7)$

10)  $12n + 5(4n - 6) = -8(1 - 4n)$

11)  $2(1 - r) = 11r + 2(-3r - 6)$

12)  $-10(x + 9) = -4(7x - 9)$