

Homework 3.3 -Solving with Brackets

Date _____

Solve each equation.

1) $225 = 5(3 - 6x)$

2) $-5r - 6(6r + 2) = -299$

3) $-5(6r + 6) = 180$

4) $4(5n - 6) + 3n = -208$

5) $-7(4 - 3r) = -196$

6) $-448 = -7(8 + 8n)$

7) $-2(3 - 6x) = 6 + 8x$

8) $-8p - 6 = -2(-1 + 2p)$

9) $12 - 8a = 7(6 - 2a)$

10) $37 - 6k = -7(2k - 3) + 6k$

$$11) 4x + 12 = 6(4 + 3x) - 2x$$

$$12) 3(6n + 1) = 6n + 27$$

$$13) 3(1 + 5k) = -2(k + 7)$$

$$14) -5(1 - 6x) = 7(4x - 5)$$

$$15) 6(m - 4) = -6(m - 7) + 6m$$

$$16) -8(n + 4) - 8n = 4(4 - n)$$

$$17) -6(a - 1) = 5a - 7(a - 6)$$

$$18) -6(5x - 4) = 8(4 - 4x)$$

$$19) 9x - 10 + x = 9(4x - 4) - 2(8x + 2)$$

$$20) -8(9p + 1) + 10(p + 7) = -9 + 9p + 4p - 4$$