

## 1.1 Multi-Step Equations

**Solve each equation.**

1)  $3r - 6 = -4 + 5r$

2)  $-7r + 8r - 2 = 8r + 5 - 8r$

3)  $3x - 1 = 6 + 2x$

4)  $1 + 6p = 13 + 2p$

5)  $-23 - 2n = -1 + 3(n + 6)$

6)  $8 - 7x = -(x + 4)$

7)  $-7 + 3m = 8(-m + 6)$

8)  $6(-x + 2) + 3x = 14 - x$

$$9) 5(4x + 8) = 2(6x + 8)$$

$$10) -4(3a - 3) = 2(6 - 7a) + 3a$$

$$11) -4(4k + 8) = -7(2k + 8) - 6$$

$$12) 2(m - 8) = 4(2 + m)$$

$$13) -6p + 4p = -3(6 + 4p) + 6(p - 7)$$

$$14) -7(2 - a) - 4(a - 8) = -5a + 2a$$

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

$$16) -2(m + 1) = 7m + 2(-5m - 2)$$