

## 10-5 The Quadratic Formula

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $2r^2 + 3r - 77 = 0$

2)  $2x^2 - 12x - 14 = 0$

3)  $2a^2 + 6a - 36 = 0$

4)  $v^2 - 8v + 12 = 0$

$$5) 5n^2 - 51 = 2n$$

$$6) 3x^2 + 2 = -5x$$

$$7) 2b^2 - 10b - 6 = 6$$

$$8) 2x^2 - 12x + 14 = -4$$

$$9) a^2 - 12a - 13 = 0$$

$$10) a^2 + 4a - 60 = 0$$