

## Using the Quadratic Formula

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

1)  $v^2 + 2v - 8 = 0$

2)  $k^2 + 5k - 6 = 0$

3)  $2v^2 - 5v + 3 = 0$

4)  $2a^2 - a - 13 = 2$

5)  $2n^2 - n - 4 = 2$

6)  $b^2 - 4b - 14 = -2$

7)  $8n^2 - 4n = 18$

8)  $8a^2 + 6a = -5$

9)  $10x^2 + 9 = x$

10)  $n^2 = 9n - 20$

11)  $3a^2 = 6a - 3$

12)  $x^2 = -3x + 40$

13)  $9x^2 - 11 = 6x$

14)  $4a^2 - 8 = a$

15)  $14m^2 + 1 = 6m^2 + 7m$

16)  $4x^2 + 4x - 8 = 1$