

**Solve the quadratic equation by factoring.**

1.  $v^2 - 2v - 35 = 0$

2.  $3x^2 + 9x + 9 = 3$

3.  $9m^2 - 20m - 21 = 0$

4.  $10x^2 - 4x - 32 = 0$

**Solve the quadratic equation by completing the square.**

5.  $b^2 - 4b - 12 = 0$

6.  $n^2 - 95 = 14n$

7.  $6k^2 = -12k + 18$

8.  $9v^2 + 5 = 18v$

**Solve the quadratic equation by using the quadratic formula.**

9.  $x^2 - 12x - 10 = 0$

10.  $n^2 - 4n + 5 = 8$

11.  $4n^2 + 31 = -8n$

12.  $n^2 = -93 - 2n$