A quadratic formula written in the form , can be solved using the quadratic formula:

Example 1: Solve: . Example 2: Solve: .

Example 3: Solve: Example 4: Solve: .

Example 5:

Example 6:

Example7: The sum of the squares of two consecutive odd integers is 1570. Find the integers.

Example 8:

1. If a quadratic can be solved by factoring, what can you say about ?
2. If a quadratic has one root, what do you know about ?
3. If a quadratic has no real roots, what do you know about ?

**SUMMARY of the Methods used to solve Quadratic Equations:**