

## Complex Numbers in Quadratic Equations

### Solve using the Quadratic Formula

1.  $-4x^2 + 5x - 3 = 0$

2.  $x^2 - 3x + 9 = 0$

3.  $2a^2 - 6a - 3 = 0$

### Solve by Taking the Square Root

4.  $(x - 2)^2 + 9 = 0$

5.  $9(x - 3)^2 + 36 = 0$

6.  $3(x - 2)^2 - 3 = 0$

### Solve by Completing the Square

7.  $x^2 + 4x + 53 = 0$

8.  $x^2 - 4x + 5 = 0$

9.  $x^2 + 6x + 12 = 0$