

**Solving Quadratic Equations**

$$(x - 5)^2 = 36$$

$$\sqrt{(x - 5)^2} = \sqrt{36}$$

$$x - 5 = \pm 6$$

$$x = 11, -1$$

1. $x^2 = 25$

7. $(x + 1)^2 = 4$

2. $(x - 2)^2 = 9$

8. $(x + 17)^2 = 49$

3. $2y^2 = 32$

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

4. $x^2 - 49 = 0$

10. $4(y + 5)^2 = 4$

5. $3a^2 - 1 = 11$

11. $(2x - 6)^2 = 16$

6. $(2x - 5)^2 = 49$

12. $3(2y + 7)^2 = 27$