

Solving Equations Quadratic in Form

1. Solve each equation.

$$x^4 - 5x^2 - 36 = 0$$

2. Solve each equation.

$$(x+5)^2 - 3(x+5) - 28 = 0$$

3. Solve each equation.

$$x - 6\sqrt{x} - 16 = 0$$

4. Solve each equation.

$$14a^{-2} + 19a^{-1} = 3$$

5. Solve each equation.

$$w^{\frac{2}{3}} + w^{\frac{1}{3}} = 2$$

6. Solve each equation.

$$\left(\frac{1}{x+3}\right)^2 + \frac{7}{x+3} = 18$$