7.3 Solving Equations Using Quadratic Techniques

Objective: Use Quadratic techniques to solve equations

I. Solve using Quadratic Techniques

Ex1)
$$x^4 - 13x^2 + 36 = 0$$
 $(x^2 - 9)(x^2 - 4) = 0$
 $(x^2 - 9)(x^2 - 4) = 0$

Ex2)
$$x^4 - 29x^2 + 100 = 0$$

$$\begin{cases} x = \pm 2 \\ x = -32 \\ x = -32 \\ x = -4 \\ x = -$$

7.3 Solving Equations Using Quadratic Techniques

Objective: Use Quadratic techniques to solve equations

I. Solve using Quadratic Techniques

Ex1)
$$x^{4} - 13x^{2} + 36 = 0$$
 $(x^{2} - 9)(x^{2} - 4) = 0$
 $($

Ex2)
$$x^4 - 29x^2 + 100 = 0$$

$$\begin{cases} x = \pm 2 \\ x^{2} - 29(x^{2}) + 100 = 0 \\ x^{2} - 25(x^{2} - 4) = 0 \\ x^{2} - 25(x^{2} - 4) = 0 \\ x^{2} = 4 \\ x^{2} = 4 \end{cases}$$

