### 7.3 Solving Equations Using Quadratic Techniques

Objective: Use Quadratic techniques to solve equations
I. Solve using Quadratic Techniques

Exp) $\underset{x^{4}-13 x^{2}+36=0}{F}$


Ex2) $\mathrm{x}^{4}-29 \mathrm{x}^{2}+100=0$

$$
\left(x^{2}\right)^{2}-29\left(x^{2}\right)+100=0
$$

$$
\left(x^{2}-25\right)\left(x^{2}-4\right)=0
$$

$$
x^{2}-25=0 \quad x^{2}-4=0
$$

$$
x=25 \quad x^{2}=4
$$



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$x^{2}-25=0 \quad x^{2}-4=0$



