

## 6.5 General Factoring Strategy

**Example 6.5.1**

Factor  $5x^4 - 45x^2$

**Example 6.5.2**

Factor  $4x^2 - 16x - 48$

**Example 6.5.3**

Factor  $4x^5 - 64x$

**Example 6.5.4**Factor  $x^3 - 4x^2 - 9x + 36$ **Example 6.5.5**Factor  $3x^3 - 30x^2 + 75x$ **Example 6.5.6**Factor  $2x^5 + 54x^2$

**Example 6.5.7**Factor  $3x^4y - 48y^5$ **Example 6.5.8**Factor  $12x^3 + 36x^2y + 27xy^2$