Factoring: A General Strategy

1. Factor each polynomial completely:
(Similar to p.382 #38)

$$50x^3 - 20x^2 + 2x$$

2. Factor each polynomial completely:
(Similar to p.382 #42)

$$3x^5 - 81x^2 y^3$$

3. Factor each polynomial completely:
(Similar to p.382 #46)

$$9x^4 - 25$$

4. Factor each polynomial completely:
(Similar to p.382 #48)

$$12x^4 - 19x^2 + 5$$

5. Factor each polynomial completely:
(Similar to p.382 #48)

$$x^6 - 9x^3 + 20$$

6. Factor each polynomial completely:
(Similar to p.382 #48)

$$m^2 n^2 - 7mn + 12$$

6. Factor each polynomial completely:
(Similar to p.382 #50)

$$(7x-1)^2 - 10(7x-1) + 16$$

7. Factor each polynomial completely:
(Similar to p.382 #54)

$$w^6 - 29w^3 + 54$$

8. Factor each polynomial completely:
(Similar to p.382 #58)

$$-3y^3 - 9y^2 + 12y + 36$$

9. Factor each polynomial completely:
(Similar to p.382 #62)

$$75x^5 + 363x^3 - 60x$$