

Lesson: Mixed Factoring

PROCEDURE

- 1) Factor using GCF, if possible.
- 2) Factor the trinomial, if possible.

EXAMPLES

Factor each expression.

1) $3x^3 + 3x^2 - 36x$

2) $2x^4 - 16x^3 - 96x^2$

3) $21m^4n^2 - 14m^5n^4 + 56m^2n^2$

Lesson: Special Cases of Factoring

PATTERN

Factor $x^2 - 25$.

Difference of Two Squares	
$a^2 - b^2$	

EXAMPLES

1) $x^2 - 36$

2) $x^2 - 16y^2$

3) $9x^2 - 49$

4) $a^2b^2 - 4a^4$

5) $25x^2 + 100$

6) $3x^2 - 75$