

## Beginning Algebra ~ Lesson 31

Work the following examples as you listen to the recorded lecture.

### GCF and Factoring by Grouping

<b>Remember:</b>
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Factor by grouping when you have 4 terms.
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Example 1:  $18a + 12$

Example 2:  $5x^2 + 10x^6$

Example 2:  $12x^3 + 16x^2 - 8x$

Example 3:  $x^9y^6 + x^3y^5 - x^4y^3$

Example 4:  $9y^6 - 27y^4 + 2y^2 - 6$

Example 5:  $8w^2 + 7wv + 8w + 7v$

Example 6:  $5xy - 15x - 6y + 18$

Example 7:  $6m^2 - 5mn - 6m + 5n$