GCF and Factoring by Grouping

Remember:
Factor by grouping when you have 4 terms.

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