

### Section 5.5: The Greatest Common Factor and Factoring by Grouping

Example 1: Find the GCF of  $8ab^4$ ,  $20a^2b^4$  and  $28ab^3$

Greatest Common Factoring (GCF)

1. Find the expression of highest degree and largest integer coefficient that is a factor of each term of the polynomial.
2. Divide this factor into each term of the polynomial resulting in another polynomial factor.

Your answer will look like this: acf(leftover terms)