

1.7 Factor by Grouping II

Factor by grouping: Often you can common factor two parts of polynomials with even number of terms. If there are 6 terms, try splitting them into two groups (3 terms in each group)

Examples:

1. $x^2 - 3x + xy - 3y$

2. $ac - ad - bc + bd$

3. $xy - 4x + y - 4$

4. $24xy - 15xz + 8y - 5z$

5. $ad - ae - af + bd - be - bf$

6. $3x^2 + 12xz - 15x - 2xy - 8yz + 10y$

7. $12ab - 8ac - 20ad + 3b^2 - 2bc - 5bd$

