**8-2 notes part 1**

Factoring using the distributive property

Distributive property:

Reverse the process:

Example 1:

Example 2:

Factor by grouping

Polynomials having 4 or more terms may be grouped to factor.

Example 3:

Example 4:

Example 5:

Do page 429 1-4, 9-14

**8-2 notes part 2**

**Zero product property**

Factor, set all the parts equal to zero and solve. The solutions of the equation are called the roots.

Example 1:

Example 2: