

## **Coreq Support for Section 3.2**

### **Topic 1: Solving Quadratic Equations by Factoring**

### **Topic 2: Solving Higher Order Polynomial Equations**

Recall from section 1.6 that some higher order polynomial equations can be solved using factoring techniques. One useful technique is to remove the greatest common factor. Another technique is to factor by grouping.

### Topic 3: Finding Intercepts

When given an equation in two variables, we can find the intercepts as follows.

**Finding  $x$ -intercepts:** Set all values of the variable  $y$  equal to 0 and solve for  $x$ .

**Finding  $y$ -intercepts:** Set all values of the variable  $x$  equal to 0 and solve for  $y$ .