Coreq Support for Section 5.3

# Topic 1: Multiplying Binomials

# Topic 2: Solving Quadratic Equations by Factoring and by Using the Square Root Property

# Topic 3: Solving Radical Equations of the Form

To solve a radical equation of the form  raise each side of the equation to the appropriate power to eliminate the radical. When the index of the radical is even, be sure to check for extraneous solutions.

# Topic 4: Solving Rational Equations

Recall from section 1.1 that a rational equation is an equation consisting of one or more rational expressions with any other expressions of the equation being polynomials.

To solve a rational equation multiply both sides of the equation by the LCD. The resulting equation is often linear or quadratic. Remember to check for extraneous solutions.

# Topic 5: Evaluating Logarithmic Expressions

Recall from section 5.2 that the expression  is the exponent to which *b* must be raised to in order to get $x$.