Coreq Support for Section 5.3

# Topic 1: 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 .

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

# Topic 3: 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. Here are some examples of rational equations.

To solve a rational equation multiply both sides of the equation by the LCD. Remember to check for extraneous solutions.

# Topic 4: 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.