

## **Coreq Support for Section 5.5 (includes 5.1b)**

### **Topic 1: Converting Between Decimal and Percent Notation**

To convert from a decimal to a percent, multiply by 100. Multiplying by 100 shifts the decimal point two places to the right.

To convert from a percent to a decimal, divide by 100. Dividing by 100 shifts the decimal point two places to the left.

### **Topic 2: Approximating Exponential Expressions with the Calculator**

### Topic 3: Solving Exponential Equations of the Form $b^u = c$

To solve an exponential equation that can be written in the form  $b^u = c$  where  $c$  is a constant not equal to  $b$ :

1. Rewrite the equation in logarithmic form using the Definition of a Logarithmic Function.
2. Solve for the given variable and use the Change of Base Formula to evaluate.