Beginning Algebra ~ Lesson 17
Work the following examples as you listen to the recorded lecture.

Solving Percent of Increase and Decrease Problems

Remember:
Percent of Increase: $Original + (Percent \cdot Original) = Final$
Percent of Decrease: $Original - (Percent \cdot Original) = Final$
Percent must always be in decimal format.

Translate the following percent problems and solve:

Example 1: A birthday celebration meal is $40.50 including tax. Find the total cost if a 15% tip is added.

Example 2: Find the original price of a pair of shoes if the sale price is $78 after a 25% discount.

Example 3: Iceberg lettuce is grown and shipped to stores for about 40 cents a head, and consumers purchase it for about 86 cents a head. Find the percent of increase.