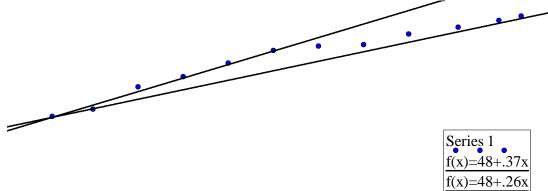**TRS 92: More Data and Functions**

1. The Army Ants moving company charges a flat fee plus a fee for each box.
    Information on some of their charges is given below.

# of boxes	11	17	27	32
Charge ($)	102	114	134	144

   a. What is the independent variable?

   b. What is the dependent variable?

   c. Write the equation for the situation.

Life Expectancy of White Males Living in the US in years since 1900.

Series 1
f(x)=48+.37x
f(x)=48+.26x

http://www.infoplease.com/ipa/A0005140.html

Use the data table from the Day 28 Activity for the exact coordinates of points.
2. Which two points will you use for your line of best fit?

3. Find the equation of the line of best fit.
    a. Define the variables.

    b. Write an equation in function notation.

    c. Identify and interpret the slope.

    d. Identify and interpret the vertical intercept.