**Questions for PB 9.5**

**(c)** Find the regression coefficients a and b.

**(d)** Place the regression line on the scatter diagram.

**(e)** Give S^2(xy) and S(y,x)

**(f)** Compute the missing predicted values, residuals, and normal deviates for the given

portion of the table.

**(g)** Plot the residual plot.

**(h)** Interpret the residual plot.

**(i)** Plot the residual normal probability plot.

**(j)** Interpret the residual normal probability plot.

**(k)**Compute the t -statistic for testing β = 0. What can you say about its p-value ?

**(m)** Construct the anova table and use Table A.7 to give information about the p-

value.

 **(p)** Compute the correlation coefficient r.

**(q)** Construct the 95% confidence interval for ρ.