Elementary Statistics
Excel Assignment 5

Open the EXCEL application.
Regression
Type the data on page 406 (7th edition) or page 409 (8th edition) as follows.
    X values on column A
    Y values on column B
Click on Tools, Data Analysis, Regression
Click on OK
Click on Input Y range and highlight the Y values on the spreadsheet
Click on Input X range and highlight the X values on the spreadsheet
Click on OK
Print the output

Your output should look like the following

Regression Statistics

Multiple R	**0.911113**
R Square	0.830128
Adjusted R	0.808894
Standard E	5.65138
Observations	10

ANOVA

	d.f	SS	MS	F	Significance F
Regressior	1	1248.595	1248.585	39.09423	0.0000245
Residual	8	255.5048	31.9318		
Total	9	1504.01			

	Coefficient	Std. Error	t-Stat	P-value	L95%	U95%
Intercept	**31.53333**	6.36	4.95	0.001	**16.86**	**46.20**
X Variable	**10.90476**	1.74	6.25	0.002	**6.88**	**14.92**

Repeat the same procedure for problem 12.14in either edition. **Use x =Price and y =Profit.**

Answer the question and turn in the print out for problem 12.14 and the answer.

Question for problem 12.14:
Write down the regression line and find a 95% confidence interval for the slope.

Correlation

Enter the data on page 423 (7th edition) or page 426 (8th edition) to columns A and B.

Click on tools.
Click on Data Analysis.
Click on correlation.
Click on OK.
For input range, highlight columns A and B.
Grouped by columns.
Click on OK.
Print the output.

Repeat the same procedure for problem 12.27 in either edition.

Answer the question and turn in the print out for problem 12.27 and the answer.

Question for problem 12.27
What is the correlation coefficient?