Questions for Johnson and Kuby (http://www.duxbury.com/authors/mcclellandg/tiein/johnson/correlation.htm)

- 1) What is r when the data forms a line?
- 2) Describe the association when r = 0.5, 0.8, 0.95
- 3) What do you notice about r when the slope of the points is negative?
- 4) What is the smallest and largest value for any correlation coefficient?

Questions for whfreeman (http://bcs.whfreeman.com/ips4e/cat_010/applets/CorrelationRegression.html)

- 1) Place points so that r = 0.9 (approximately)
- 2) Clear the screen and place points so that r = 0.9, but the slope of the data is different from #1.
- 3) Place points so that r = -0.9 (approx). Now place 4 points so that the correlation changes from negative to positive.

Questions for Rossman/Chance (http://www.rossmanchance.com/applets/guesscorrelation/GuessCorrelation.html)

Try 8 different New Samples.
For each, guess the correlation coefficient
Keep track of your guesses: How often were you within 0.10 of the actual correlation?

AP Statistics – Correlation Applets Name: _____ You may use separate paper to answer these questions. *Note: If you Google "correlation applet", these should be the first 3 results.*

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