

Test #2 Review

General Information:

Related Assignments: Homework Assignments 6-8 (Excel A, B, C)

Format: Open-book, open-notes, but no assistance from others

Time limit: 2 hours

Topics: This general list of topics is not meant to exclude any information covered in class.

Tables of calculations

- Entering data
- Formatting tables
- Excel functions
- Relative versus absolute addresses
- Trigonometric functions – using the functions degrees() and radians()
- Using the Microsoft Drawing Tools and Equation Editor
- Lookup tables and lookup functions

Graphing

- x-y (scatter) graphs primarily
- Linear versus log scales
- Formatting graphs
- Histograms
- Other types of graphs

Linear Regression

- Determining equations using trendlines
- Using the correlation coefficient, R, as a measure of confidence in the results
- Linear, exponential, logarithmic, power, and polynomial equations
- Using the appropriate scale (linear or log) for each type of trendline as follows:

Type of trendline	x-axis	y-axis
Linear	Linear	Linear
Exponential	Linear	Log
Logarithmic	Log	Linear
Power	Log	Log
Polynomial	Linear	Linear

Matrix Operations

- Naming matrices
- Matrix functions and operations
- Using Ctrl + Shift + Enter to create braces for matrix operations