



CHAPTER 2
Linear Functions
Cornell Notes/Summary Sheet

Name: _____
Period: _____

Section 2.1 – Big Ideas

- Linear function
- Constant rate of change
- Slope
- Vertical & horizontal intercepts
- Slope-intercept form
- Graphing lines
- Point-slope form
- Standard form
- Horizontal & vertical lines

Your Notes

Section 2.2 – Big Ideas

- Modeling w/linear functions
- Practical meanings of slope and intercepts
- Inverse linear functions

Refer to Section 2.1 (above)

Your Notes

<p><u>Section 2.3 – Big Ideas</u></p> <ul style="list-style-type: none"> • Linear regression models • Correlation coefficient • Interpolation vs. extrapolation 	<p><u>Your Notes</u></p> <p>Instructions for entering data and determining a regression function model are on below.</p>
<p><u>Section 7.2 – Big Ideas</u></p> <ul style="list-style-type: none"> • Piecewise functions • Evaluating, graphing, & writing piecewise functions • Domain & range of piecewise functions 	<p><u>Your Notes</u></p>

❖ Regression Models on the Graphing Calculator

- Entering Data
 - Press STAT, #1Edit, Enter
 - Do you have current data in L1, L2, L3?
 - Scroll up, highlight L1, press Clear, Enter
 - Do not use the delete button!
 - Enter the data in the calculator lists. Place the data in L1 and L2.
- Determining the Regression Function Model
 - Press STAT
 - Arrow right, highlight CALC
 - Select the Proper Function Model
 - OLD – Type in L1, L2, Y1
 - ◆ Press 2nd 1 comma 2nd 2 comma VARS, (arrow right), Enter, Enter, Enter
 - NEW – If your screen has Xlist: L1, Ylist: L2:
 - ◆ Go down to StoreRegEQ and type in Y1 (VARS, right, Enter, Enter)
 - ◆ Go down to Calculate and press Enter
- Graphing the Scatter Plot
 - Press 2nd Y =, turn Plot1 On (Enter, Enter); Press ZOOM 9

Refer to my website for additional resources: www.schultzjen.weebly.com