

Chapter 2/Chapter 3

Objectives and Assignments

| <u>Lesson</u> | <u>Objectives</u> | <u>Assignment</u> |
|--|---|---|
| 2.7 Curve Fitting with Linear Models | <ul style="list-style-type: none">○ Given a set of data, on my calculator I can:<ul style="list-style-type: none">▪ find and describe the correlation coefficient.▪ draw a scatterplot.▪ find the line of best fit.▪ use the line of best fit to make predictions of applications. | 5-11, 15 |
| 2.8 Solving Absolute- Value Equations and Inequalities | <ul style="list-style-type: none">○ I can solve and graph compound inequalities○ I can solve and graph equalities involving absolute values○ I can solve and graph inequalities involving absolute values | 14-27, 45 |
| | <u>Quiz 2.7 - 2.8</u> | |
| 3.1 Using Graphs and Tables to Solve Linear Systems | <ul style="list-style-type: none">○ I can solve a system of equations by graphing lines.○ I can determine how many solutions a system of equations has graphically. | 18-20, 22, 23, 26, 33, 38, 39, 57-60 |
| 3.2 Using algebraic Methods to Solve Linear Systems | <ul style="list-style-type: none">○ I can solve a system of equations using substitution.○ I can solve a system of equations using elimination.○ I can determine how many solutions a system has algebraically. | Day 1: 3, 5, 15-18, 48-51 Day 2: 19-24, 27, 37 |
| Review- Pg. 170 | | 18-23 |
| Review- Pg. 236 | | 1-9 |
| | <u>Chapter 2/Chapter 3 Test</u> | |

Function Regression on TI-83/TI-84 Calculators

To Enter Data

Stat → **Edit** → Type data into L1 and L2

(To clear previous data, scroll up to highlight L1, push **clear** → **enter**)

To Plot the Data in your list

Y= → clear any equations

Stat Plot (**2nd** / **y=**) → Plot1 **On**

Zoom → ZoomStat

To Find/Graph Line of Best Fit/And Correlation Coefficient (r)

Stat → **Calc** → LinReg(ax + b) → **Vars** → **Y-Vars** → Function type **Y1** → Enter → Graph

(Stores equation into Y=)

New Operating System

Stat → **Calc** → LinReg(ax + b)

x List: **L1**

y List: **L2**

Store Reg Eq: **Vars** → **Y-Vars** → Function type **Y1**

If the correlation coefficient is not showing: **Catolog(**2nd** / 0) → **DiagnosticOn** → **Enter**

To plug in an x-value (main screen)

Vars → **Y-Vars** → Function → **Y1** → (x-value)