

## Intermediate Algebra: Chapter 1 Assignment Guide

| Assignment | Target   | Exercises  | Quiz/Test  |
|------------|--|--|--|
| 1          | <p><b>Section 1.1</b><br/>I can name and explain the 4 methods of sampling</p> <p>I can explain why a survey is bias</p>   | <p>pg. 8-9<br/>#1-16, 21-24</p> <p><b>(do #25 in class)</b></p>                        |  |
| 2          | <p><b>Section 1.2</b><br/>I can find the mean, median and mode of a set of data</p> <p>I can find the range of a set of data</p> <p>I can find an unknown number in a data set when given the mean</p> | <p>pg. 12-13<br/>#1-4, 6-10, 12-14, 16-22</p> <p><b>(#5,11 in class)</b></p>           |  |
| 3          | <p><b>Excel lab activity</b><br/>Mean, Median and Range</p>  | <p>pg. 14-15<br/>#1-17</p>   |  |
| 4          | <p><b>Section 1.3</b><br/>I can interpret a frequency table.</p> <p>I can create a histogram of data with the correct intervals</p> <p><b>Histogram Activity</b></p>                                   | <p>pg. 18-19<br/>#1-5, 13-15, 24, 25, 29, 30</p> <p><b>(#16 in class)</b></p>          |  |
| 5          | <p><b>Section 1.3</b><br/>I can organize and display data as a stem-and-leaf plot</p> <p>I can identify clusters and gaps of a data set</p> <p><b>Stem and Leaf plot activity</b></p>                  | <p>pg. 18-19<br/>#6-12, 17</p> <p><b>(#22 in class)</b></p>                            |  |
| 6          | <p><b>Section 1.4</b><br/>I can create a scatter-plot by choosing a scale, arranging the data into ordered pairs and graphing</p> <p>I can interpret data using a scatter-plot</p>                     | <p>Extra Practice 1-3<br/>Worksheet</p> <p>Study for quiz<br/><b>(#5 in class)</b></p> | <p style="text-align: center;"><b>Quiz<br/>tomorrow on<br/>1.1-1.3</b></p> |
| 7          | <p><b>Quiz on 1.1-1.3</b></p>  | <p>pg. 22-23<br/>#1-4, 10 (only scatter-plot)</p>                                      | <p><b>Quiz today!!</b></p>   |
| 8          | <p><b>Section 1.4</b><br/>I can determine if a set of a data has a positive or negative correlation</p> <p>I can draw in a line of best fit (trend line) on a scatter-plot</p>                         | <p>pg. 23<br/>#7-12, 14</p> <p>pg. 24<br/>#10-19</p>                                   |  |

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| 9  | <b>Section 1.5</b><br><b>Linear Trend Activity</b><br>I can use technology to create a scatter-plot, get a linear trend line and correlation coefficient  | pg. 27<br>#1-6                        |                                |
| 10 | <b>Unhealthy trend activity (newspaper article, summary, excel)</b>   | None ☺                                |                                |
| 11 | <b>Section 1.6</b><br><b>Box and Whisker Plot Activity</b><br>I can calculate the median, 1 <sup>st</sup> and 3 <sup>rd</sup> quartile and interquartile range of a set of data<br>I can use quartiles to create a box-and-whisker plot<br>I can calculate and interpret a percentile | pg. 30-31<br>#1-9, 14, 17-22, 24      |                                |
| 12 | <b>Section 1.7</b><br>I can examine a graph and explain how its appearance can be misleading<br>I can explain how data can be misrepresented  | pg. 36-37<br>#1-16, 21-23             | <b>Quiz tomorrow 1.4-1.6</b>   |
| 13 | Quiz 1.4-1.6  | pg 233<br>#1-7 odd                    |                                |
| 14 | <b>Section 5.9</b><br>I can make a circle graph for a set of data given the percent<br>I can make a circle graph for a set of data by finding each sector's percent<br><b>Body Image Circle Graph Activity</b>  |                                       |                                |
| 15 | <b>Section 1.8</b><br>I can organize data in a matrix<br>I can state the dimensions of a matrix<br>I can add and subtract matrices  | pg. 40-41<br>#1-3, 8-11, 17-20, 24-26 |                                |
| 16 | Chapter Review  | pg.45<br>#1-18                        |                                |
| 17 | Chapter Review  | Standardized Practice Test (pg.46-47) | <b>Chapter test tomorrow!!</b> |
| 18 | Chapter 1 Test  | None ☺                                | <b>Test today</b><br>☺         |