**CHAPTER 8 – Estimating with Confidence**

**Homework**

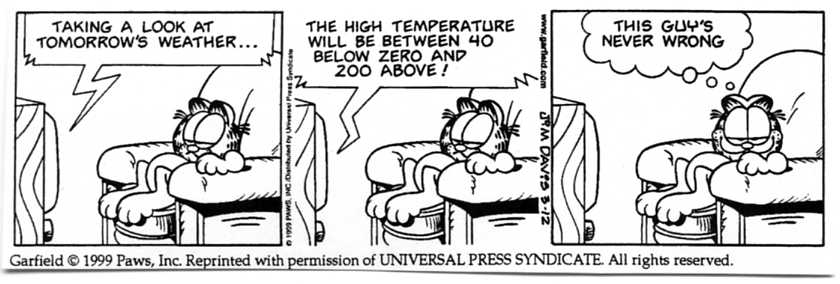
(glausermath.weebly.com)

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| 17 (FEB.) Monday  **No School** | 18 Tuesday  *8.1a*  #1, 5, 7, 9, 11, 15  **POW #11 assigned** | 19 Wednesday  *8.1b/8.2a*  #17, 19, 20, 27, 31, 33 | 20 Thursday  *8.2b*  #35, 37, 39, 41, 43, 47 | 21 Friday  *8.3a*  #55, 57, 59, 63, 75, 76  **Test 7 Corrections Due**  **POW #11 DUE**  \*\*ALL LATE WORK  DUE FOR 2nd TRI |
| 24  *8.3b*  #65, 67, 71, 73, 77, 78  **POW #12 assigned** | 25  *Review Ch. 8* | 26  **CH. 8 TEST** | 27 END OF TRI 2  <short day>  **POW #12 DUE** | 28  **No School** |

**Chapter Objectives**

8.1: The Basics of Confidence Intervals

* Understand what a confidence interval is
* Interpret confidence levels and intervals in context
* Understand the importance of the 3 conditions



8.2: Estimating a Population Proportion

* Construct and interpret confidence intervals for a population proportion

(carry out the 4 step process and understand the conditions)

* Determine critical values for calculating a confidence interval
* Determine the sample size needed for a specific margin of error
* Understand how the margin of error changes with sample size and conf. level

8.3: Estimating a Population Mean

* Construct and interpret confidence intervals for a population mean

(carry out the 4 step process and understand the conditions)

* Understand and use t distributions
* Define robust
* Understand what is meant by standard error and degrees of freedom