**CHAPTER 9 – Testing a Claim**

**Homework**

(for help, check out glausermath.weebly.com)

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| 3 Monday 4 Tuesday  ACT short day  *9.1a*  #1, 3, 7, 9, 13  **POW #13 assigned** | | 5 Wednesday  *9.1b*  #15, 19, 21ab, 23, 25 | 6 Thursday  *9.2a*  #27-30, 41, 43, 45 | 7 Friday  *9.2b*  #47, 49, 51, 53, 55  **POW #13 DUE**  **Test 8 Corrections Due** |
| 10  *9.3a*  #57-60, 71, 73, 99  **POW #14 assigned** | 11  *9.3b*  #75, 77, 85, 89,  100-104 | 12  *Review Ch. 9* | 13  **CH. 9 TEST** | 14  *10.1a*  **POW #14 DUE** |

**Chapter Objectives**

**9.1: Significance Tests: The Basics**

* State hypotheses for a significance test about a population proportion or mean
* Interpret p-values in context
* Interpret Type I and II errors in context and give the consequences of each
* Understand the relationship between the significance level (alpha), Type II error, and power

**9.2: Tests about a Population Proportion**

* Conduct a significance test for a population proportion (4 steps!)
* Use a confidence interval to draw a conclusion for a 2-sided test about a population proportion

**9.3: Tests about a Population Mean**

* Conduct a significance test for a population mean (1-sample t test for population mean)
* Use a confidence interval to draw a conclusion for a 2-sided test about a population mean
* Recognize paired data and use 1-sample t procedures to perform significance tests for such data