**CHAPTER 9 – Testing a Claim**

**Homework**

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

|  |  |  |  |
| --- | --- | --- | --- |
| 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