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| **Chapter 5, *Under Normal Circumstances* (Pages 117 – 138)**  **OBJECTIVES:**  - Understand how extraordinary a standardized value may be by using a Normal Model and knowing when it will be appropriate. - Know how to calculate a z-score. - Estimate the percentage of observations falling within 1, 2, or 3 standard deviations of the mean, using *The 68-95-99.7% Rule*, aka *The Empirical Rule*. - Know how to compare values of different variables using their z-scores.  - Use your TI-84 calculator to find Normal Percentages when given the mean and the standard deviation of a particular norma9l distribution. (**normalcdf**)  - Use your TI-84 calculator to find cut points when given the mean and the standard deviation of a particular normal distribution. (**invNorm**)  ***TUESDAY (12.10.24*)**  **Class Work:**   * **Read the TI*-Tips*** on pages 127 and 128. * ***Do the Math*,** #8, on page 128. Note that the answers are on page 143. * ***Just Checking*** on page 130. Note that the answers are on page 143.   **Homework:** Page 140 (#34, 35).  ***THURSDAY (12.12.24*)**  **Discuss the previously assigned work:** Page 140 (#34, 35).  **Class Work:**   * **Read *TI-Tips, Finding Normal Cut Points*** on page 130 and 131. * ***Do the Math,*** #9, on page 131. Note that the answers are on page 143.   **Homework:** Page 140 (#36 – 39).  ***FRIDAY (12.13.24*)**  **Discuss the previously assigned work:** Page 140 (#36 – 39).  **Review for your Midterm Exam, which will cover Chapters 4 and 5.** You may use your notes written on 2 sheets of paper, 8.5 by 11 inches, front and back.  **The GTCHS Midterm Schedule is as follows on page 2.** |
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