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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**)***MONDAY (12.9.24*)** **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).***WEDNESDAY (12.11.24*)** **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.
* 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.*****FRIDAY (12.13.24*) B-DAY, NO CLASS** |
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