Note: All questions should be handed in. Selected QUESTIONS would be graded. Numbers in parenthesis indicate pages in 6th Edition

1. Do Exercises 6.30 on page 289 (279) in the textbook.
2. Do Exercises 6.31 on page 289 (279) in the textbook.
3. Do Exercises 6.32 on page 289 (279) in the textbook.
4. Obtain the following z-scores. (Choose closest value. If halfway, then interpolate).
   (a) \( z_{0.20} \)
   (b) \( z_{0.05} \)

Exercises for recitations (10/12 - 10/18)

1. Find the area under the standard normal curve that
   a. Lies to the right of -1.37
   b. Lies to the left of 1.42
   c. Lies between -1.35 and 0.19
   d. Lies either to the left of -2.5 or to the right of 1.78.

2. Complete the following table
   \[
   \begin{array}{cccc}
   z_{0.10} & z_{0.05} & z_{0.025} & z_{0.01} \\
   1.645 & 1.96 & & \\
   \end{array}
   \]

3. As reported by the US National Center for Health Statistics, males who are 6 ft tall and between 18 and 24 years of age have a mean weight of 175 lb. If the weights are normally distributed with a sd of 14 lb, find the percentage of such males that weigh
   a. Between 190 and 210 lb.
   b. Less than 150 lb.
   c. At least 160 lb.
   d. At least 190 lb.