

## Chapter 5: Examples

The following problems have been selected to develop your skills in obtaining z-scores and associated probabilities from the original measurement scale and in converting z-scores to the original measurement scale. These problems are not part of your assigned homework.

1. Problems 5.1-5.5, page 154.
2. What are the deciles of the standard normal distribution, that is, the 10, 20, 30, ..., 90 percentiles? To what values of serum cholesterol do these deciles correspond?
3. What are the quartiles of the standard normal distribution, that is, the 25, 50, and 75 percentiles? To what values of serum cholesterol do these quartiles correspond?
4. Problems 5.6-5.9, page 154.
5. Problems 5.17-5.18, pages 154.
6. *Study Guide*: problem 5.20, page 51.
7. Problems 5.20-5.22, page 154-155.
8. *Study Guide*: problem 5.33, page 52.

## Chapter 5: Homework Problems

Answer the following questions on sheets of paper that can be handed in for credit. Be sure your answers are legible and clearly labeled.

1. *Study Guide*: Problems 5.3, 5.4, 5.5, 5.7, 5.8; page 50.