## Chapter 5: The Normal Curve

This is the most important chapter in the text. Read it and reread it several times. It is a foundation for much of the rest of the course.

Section 5.1: Very Important Idea: box on page 79.

Suggested problems for study: A: page 82: (all) 1–2

Section 5.2: Practice finding areas under the normal curve until it becomes second nature, as such skills will be needed in the rest of the course.

Suggested problems for study: B: pages 84–85: 1–4, and 5 (5 is not too important)

Section 5.3: Suggested problems for study: C: page 88: 1–3

Section 5.4: Suggested problems for study: D: pages 89 and 90: 1,2; also (not too important) 4

Section 5.5: Very tricky. It will be emphasized on test and final exam. Spend enough time to master it. Suggested problems for study: E: page 92: 1–3

Section 5.6: Section is important but suggested problem for study (F: page 93: 1) is not too important. Homework problem 8 will cover this section.

Chapter Summary: page 96: points 1–7; 2 and 4 are most important.

## **Review Exercises**

Homework (pgs. 93–95): 1 (bottom), 4, 6, (1, at the bottom, starts: "The following list ...") Homework from Chapter 6 (pages 105 and 106): 4 (a)

Homework 3 includes problems from Chapter 5 and problems from Chapter 6. HW 3: Chapter 5: 1, 4, 6; Chapter 6: 4(a).

## Comments on HW:

Problem 1 (a) is tricky. You'll need to use a curve to get a percent; then use that percent to estimate the number of scores.Problem 1 (b) will, at some point, require a tally.Problem 4 on page 94 is simple, but very important.Problem 4 (a) on page 105 uses the same methods as problem 4 on page 94.

Also look at problems 3 and 7–9 on pp. 94–95, and to a lesser extent problems 2, 10, 12 on pages 93 and 95. Problems 6 and 9 in the Special Review after Chapter 6 on page 106 are interesting and tricky.

## Useful practice problems: look in chapter problems.