CSE 321: Discrete Structures
Assignment #8
November 19, 1999
due: Monday, November 29

These problems are mostly short-answer, and many are routine. If your answer to a problem is too unwieldy to evaluate, you can leave it in terms of factorials, combinations, etc., for instance 26^3 or $P(26,3)$ or $26\binom{26}{3}$. Show enough of your work so that we can see how you arrived at your answer. If you are unfamiliar with the standard deck of playing cards, reread the paragraph on pages 262-263 and the examples following it.

1. Section 4.3, exercise 40.
2. Section 4.4, exercise 6.
3. Section 4.4, exercise 8.
4. Section 4.4, exercise 12.
5. Section 4.4, exercise 16.
6. Section 4.4, exercise 28.