1) Consider the following symbols and associated frequencies from a mythical hieroglyphic language:

- O 9%
- □ 9%
- ₪ 8%
- Ψ 2%
- ☈ 9%
- ☎ 8%
- ☉ 6%
- ☇ 2%
- ♤ 9%
- ♧ 8%
- ❤ 5%
- ☦ 2%
- ⚬ 9%
- ♦ 8%
- ♠ 5%
- ♣ 1%

Construct a Huffman code for these symbols. What is the expected number of bits per symbol in your code? Compare the efficiency of your code to a fixed-length code with 4 bits per symbol.

2) On-line Text, Problem 5.6.5

3) On-line Text, Problem 5.7.7