GRAPH THEORY: HOMEWORK PROBLEM SET 6

Please hand in following problems below. If you have any questions, please feel free to ask me after class or during office hour.

Homework 6 dues on Wednesday June 25th.

Problems from the book: 6.4, 6.6, 6.11 , 6.22.

Also do the problem below:

1) Find an Euler circuit of the graph G below using Fleury's algorithm.

2) Find a closure of the graph G_1 , G_2 below. Is $G_i, i = 1, 2$ Hamiltonian?
If yes, show Hamiltonian cycle. If no, explain.

3) Find a Hamiltonian cycle of the graph of dodecahedron in figure 6.15 page 145 in the book.

Date: June 19th, 2008.