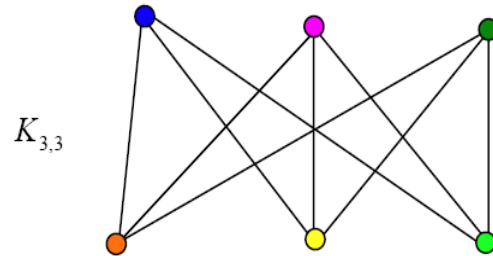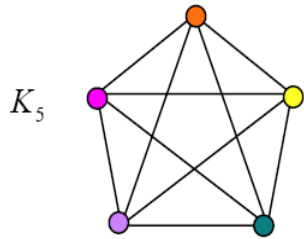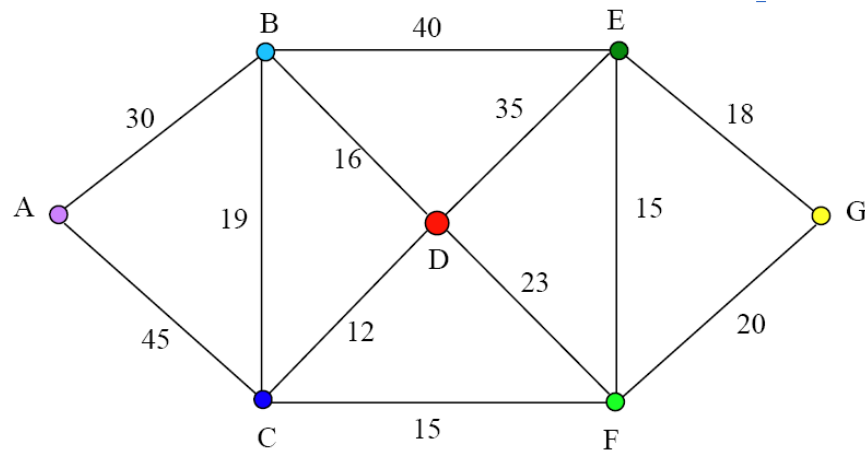## HOMEWORK PROBLEMS #3

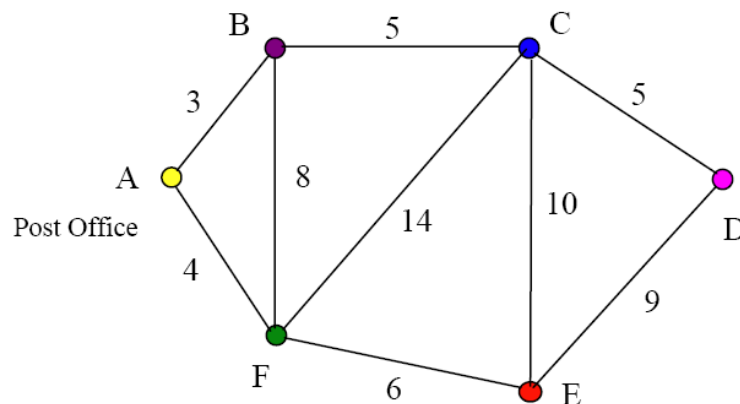**1-1** Are the following two graphs Eulerian, semi-Eulerian, non-Eulerian, Hamiltonian, semi-Hamiltonian, and/or non-Hamiltonian graphs?

K_5

$K_{3,3}$

1-2 Find the shortest path length from A to G in the following graph:

1-3 Solve the following Chinese postman problem:

This HW is due in class on Monday, 16 Sept. 2019