

Assignment 9

Due: Wednesday, November 21

Submit all problems according to the choices given. Mark your choice clearly with 3 designators: Problem number and part as appearing in the assignment, and then the problem number in the book. Explain and justify *thoroughly* each step, using complete sentences. Write neatly, and staple your paper before submission.

- 1) Section 9.1 -
 - a) Two of 3,5,6,12.
 - b) 18.

- 2) Section 9.2 -
 - a) Two of 2,4,5.
 - b) One of 17,20,22.

- 3) Section 9.3 -
 - a) One of 2.
 - b) One of 7,9,11,(use $(x,y)=(-1.193,1.479)$ for the second critical point).
 - c) One of 25.26.