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 1.1:
   a) One of 1-6 (can use graphing calculator for direction field).
   b) 15-20.

2) Section 1.2:
   a) 3a,5.

3) Section 1.3:
   a) 3,11.