Due in your recitation section, during the week of October 28

Please write your full name in capital letters on the front page of your homework, staple your homework, and write neatly; assignments that fail to satisfy these conditions may be disregarded. Provide full justification for your statements.

4.1: 4 (3 pts), 18 (4 pts=2 pts for each of the 2 questions), 50 (3 pts);

4.2: 24 (15 pts=5 pts for the critical points+5 pts for the extreme values on [0,1]+5 pts for the extreme values on [0,2]), 42 (5 pts), 50 (5 pts), 92 (6 pts=2 pts for each of the 3 questions);

Note: Additional care is needed for the justification of the critical points in 4.2/24.

4.8: 4 (9 pts=3 pts for each of $x_1$, $x_2$, $x_3$).

It is your duty to make sure that you understand why points were taken off your homework and what the correct solution in each case is. You should therefore analyze your graded homeworks carefully and ask questions during the recitations and office hours.