

Use the pdf problem set posted to the website, as the numbering differs from that of the text.

Recitation (ungraded)

Attempt these before the recitation and check your solutions and solution process with TAs.

- (1) DMC Problem 8.11, 8.14, 8.17, 8.22
- (2) DMC Problem 9.2(f,j), 9.5, 9.19(e,n), 9.37, 9.41

Problems (Submit solutions)

Show your work and explain your reasoning. Write in complete and grammatically sound sentences, and typeset your solution. See this $\text{\LaTeX}$ source file and the corresponding pdf for an example of an acceptable solution set.

- (1) **[10]** DMC Problem 8.9
- (2) **[10]** DMC Problem 8.18(b)
- (3) **[10]** DMC Problem 8.25
- (4) **[10]** DMC Problem 8.31
- (5) **[10]** DMC Problem 8.33
- (6) **[10]** DMC Problem 9.3(h,k)
- (7) **[10]** DMC Problem 9.14(f,k) with proofs of your claims
- (8) **[10]** DMC Problem 9.23
- (9) **[10]** DMC Problem 9.31(b,c)
- (10) **[10]** DMC Problem 9.32(c)