

Homework 1

Use the pdf problem set posted to the website, as the numbering differs from that of the text. **Show your work and explain your reasoning.**

Practice (Attempt these before attending lab)

- (1) DMC Problem 1.1
- (2) DMC Problem 1.18
- (3) DMC Problem 2.4
- (4) DMC Problem 2.15
- (5) DMC Problem 3.5
- (6) DMC Problem 3.18 (i)–(l)
- (7) DMC Problem 3.44

Recitation Lab (TA works these out in lab)

- (1) DMC Problem 1.9
- (2) DMC Problem 2.2
- (3) DMC Problem 2.10
- (4) DMC Problem 2.30
- (5) DMC Problem 3.18 (e)–(h)
- (6) DMC Problem 3.19
- (7) DMC Problem 3.39
- (8) DMC Problem 3.40

Problems (Submit solutions)

- (1) **[10]** DMC Problem 1.7
- (2) **[10]** DMC Problem 1.20
- (3) **[10]** DMC Problem 2.3
- (4) **[10]** DMC Problem 2.9
- (5) **[10]** DMC Problem 2.29
- (6) **[10]** DMC Problem 3.14
- (7) **[10]** DMC Problem 3.18 (a)–(d)
- (8) **[10]** DMC Problem 3.38
- (9) **[10]** DMC Problem 3.41
- (10) **[10]** DMC Problem 3.43 (in part (b), the quantifier should be $\forall y$)