

Guidelines: Homework is regularly assigned by not collected. Do it promptly. Keep a separate homework notebook.

Your solutions should always include reasoning. This helps reinforce logical structure, and trains you in critical thinking. Write clearly. Do not put an equals sign between unequal quantities, or quantities you have not yet proved are equal. Use words like “hence”, “therefore” to connect statements or equations, and indicate the chain of reasoning. Interpret your answers. Use “we are given”, “we want to show that” to distinguish clearly between what is given and what is to be found.

§1.1	p.11	1 – 8, 19 – 23, 25a, 26a, 31 – 34, 43 – 50, 52, 55 – 57.
§1.2	p. 16	1, 3, 5 – 9, 11, 13 – 17, 19 – 25 (odd), 32, 35 – 45 (odd), 55, 57.
§1.3	p.23	1 – 16 (odd).
§1.4	p.31	1 – 6, 9, 10, 11 – 65 (odd).
§1.5	p.39	7 – 10, 23, 25. Problems from the worksheet handed out in class. Study solved Examples 1, 2, 4, 5 and the figures on p. 36 carefully.
§1.6	p.47	1 – 4, 9, 11, 13, 15, 16, 19, 21, 23, 24, 27, 28, 31, 32, 33, 35, 36. To be discussed in class: 16, 24, 28, 35, 36. Theorem 7 on p.45 is important.
§1.7	p.56	1 – 8, 11 – 17 (odd), 21, 23, 27, 33, 35, 43. Challenge: 46
§1.8	p.66	1 – 5(odd), 7 – 10, 11 – 19(odd), 27 – 33(odd), 39, 43 – 47, 83 – 87(odd). To be discussed in class: 8, 10, 14, 24, 44, 46.
Review	p.68	1, 5 – 10, 12, 14 – 16, 20, 21, 23 – 25.
Practise	p.69	9 – 13, 23, 29 – 39(odd), 45, 47, 49, 53, 55a, 56a.
§2.1	p. 74	1 – 23 (odd), 27 – 30. Understand the discussion and illustrations of Vertical Tangents on p.75 - 76.
§2.2	p.82	1, 3, 27 – 31, 33, 37, 39, 40. Strictly for fun: 46.
§2.3	p.92	1 – 25 (odd), 29 – 35 (odd), 39, 41.
§2.4	p.99	1 – 17 (odd)
§2.5	p.106	1 – 25 (odd), 26
§2.6	p.113	1 – 55(odd), 54
§2.7	p.119	9 – 73(odd), 79, 81 Study carefully solved Examples 2 – 6, 8 on p. 116 – 118.
§2.8	p. 124	1 – 37(odd), 41
§2.10	p.142	1 – 95(odd), 105 – 111 (odd)
§2.11	p.152	1 – 8, 13 – 16, 21 – 24, 30, 33, 34, 36, 42, 42, 43, 47.
§2.12	p.158	1 – 15, 17 – 29(odd), 33.
§2.13	p.168	1 – 13, 15, 16a-c, 17 – 27 (odd), 35, 37, 41.
Review	Questions, p.170:	1, 2, 6, 9, 10, 11, 13, 14, 17, 32.

Review Exercies, p. 171: 1 – 59 (odd), 65 – 79 (odd), 85, 103 – 109 (odd), 113 – 117 (odd), 119, 120, 123, 125, 129 – 132.

§3.1 p.181 7, 9, 11 – 14, 15, 17, 25, 31 – 41(odd).

§3.2 p.187 1, 3, 9, 10, 11, 13, 15, 16, 17, 18a, 19 – 27 (odd), 28, 31.

§3.3 p.192 1 – 7, 9 – 19 (odd), 23, 29, 31, 37, 47.

§3.4 p.201 1, 2, 9 - 19 (odd), 41 – 47 (odd), 63, 67.

§3.5 p.208 1, 3, 13 – 15, 19, 33. Also 21, 25, 27, but skip finding $\frac{d^2y}{dx^2}$.

§3.6 p.215 1 – 11, 14, 15.

§3.8 p.228 1, 2, 3, 11, 12, 14, 20.

Review Questions, p.236: 9, 12, 21.

Review Exercies, p. 237: 5, 6, 10a, 13a, 15, 23, 25, 27, 33, 39, 41, 43, 45, 47, 49, 69, 70, 75, 77, 78.

§4.1 p.246 1 – 23 (odd, find the form of the GENERAL antiderivative), 25 – 61 (odd), 71 – 79 (odd), 83 – 93 (odd), 97, 99, 101, 106, 107.

§4.2 p.256 1 – 15 (odd).

§4.3 Get comfortable with Σ notation explained on p.258. Study solved Examples 1 - 4 on p.259–61. An understanding of Riemann sums (p.262–265) is essential.

p.265 1 – 39 (odd).

§4.4 Read the exposition on p.266–7 carefully. Know the rules listed on p.269 in Table 4.5.

p.274 9 – 19 (odd).

§4.5 p.284 1 – 33 (odd), 51, 53, 57, 55 – 60.

§4.6 p.291 1 – 7 (odd), 13 – 25 (odd), 33, 36, 43, 49, 59.

§4.7 p.298 1 – 19 (odd), 25 – 33 (odd), 37, 39, 47 – 58.

Review Exercies, p. 301: 1 – 9 (odd), 12 – 15, 17, 25, 28, 29, 51, 52, 55, 63, 65, 67, 69, 77, 79, 81, 89, 95, 97, 99.

Last Updated: April 17, 2012