

M236 Calc IV Problem List Semester 082 (Winter 2009)

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| Exercise Set 1 | Section 12.1: 3, 4, 9, 14, 15, 17, 18, 19, 20, 25, 28, 32, 34, 46, 50, 61 (don't sketch), 64 (don't sketch), 70, 73, 75, 76 |
| Exercise Set 2 | Section 12.2: 1, 6, 9, 11, 14, 22, 30, 31, 47, 50, 53, 54, 58, 64, 68 |
| Exercise Set 3 | Section 12.3: 4, 5, 11, 12, 15, 21, 22, 27, 28, 33, 38 |
| Exercise Set 4 | Section 12.4: 2, 8, 9, 13, 14, 20 (Approx by evaluating the point on the tangent line at $t = .1$), 23, 30, 37, 40, 50, 55—use hint |
| Exercise Set 5 | Section 12.5: 3, 6, 9, 12, 16, 25, 30, 38, 43, 48, 57 |
| Exercise Set 6 | Section 13.1: 2, 3, 6, 12, 16, 21, 24, 50, 51, 52, 79, 83, 88 |
| Exercise Set 7 | Section 13.2: 6, 8, 9, 10, 12, 17, 19, 20, 26, 27, 41, 50, 63, 64, 65, 66 |
| Exercise Set 8 | Section 13.3: 5, 13, 22, 29, 30, 35, 38, 48, 54, 58, 62, 85, 97 |
| Exercise Set 9 | Section 13.4: 1, 6, 14, 18, 26, 30, 31, 36, 40 |
| Exercise Set 10 | Section 13.5: 2, 3, 6, 10, 15, 22, 24, 27, 34, 4, 51, 52 |
| Exercise Set 11 | Section 13.6: 2, 4, 9, 14, 15, 20, 23, 24, 28, 35, 38, 58, 60, 63 |
| Exercise Set 12 | Section 13.7: 1, 2, 4, 7, 12, 16, 21, 34, 41, 44 |
| Exercise Set 13 | Section 13.8: 3, 4, 5, 10, 11, 14, 22, 26, 28, 33, 34, 46, 49, 53, 54, 60 |
| Exercise Set 14 | Section 13.9: 10, 13, 18, 21, 27 |
| Exercise Set 15 | Section 13.10: 2, 4, 7, 8, 11, 16, 18, 21, 32, 40, 41 |
| Exercise Set 16 | Section 14.1: 2, 8, 11, 18, 20, 24, 25, 33, 34, 42, 44, 52, 62, 53 |
| Exercise Set 17 | Section 14.2: 7, 12, 16, 19, 23, 27, 28, 33, 39, 40 |
| Exercise Set 18 | Section 14.3: 1, 2, 3, 4, 7, 8, 10, 13, 18, 19, 22, 24, 28, 31, 42 |
| Exercise Set 19 | Section 14.4: 3, 8, 17, 30, 34 |
| Exercise Set 20 | Section 14.5: 1, 4, 10, 16, 22, 30 |
| Exercise Set 21 | Section 14.6: 5, 8, 13, 16, 20, 23, 34 |
| Exercise Set 22 | Section 14.7: 4, 13, 16, 22, 33, 34 |