

## Calculus I Homework Problems

- 1.1: 1, 4, 6, 7, 10, 18, 22, 25, 32, 39, 41, 49, 55(all), 56(a, b, c, g), 57, 62, 67, 71, 72, 74, 77, 79, 80, 81(a, i)
- 1.2: 2, 3, 7, 8, 9, 10, 11, 13, 15, 19, 20, 21, 23, 26, 29, 30, 36, 37, 39, 41, 43, 44, 45, 51, 54, 55(a), 57, 66, 71(all), 72(all), 76, 78
- 1.3: 1-10 all, 11, 15, 21, 23, 25, 27, 31, 39, 40, 41, 43, 45, 47, 53, 54, 55, 56, 57, 63, 70, 71, 72, 73, 79, 81
- 1.4: 1-14 (All), 15, 19, 21, 23, 27, 31, 34, 36, 37, -45 odd, 47, 53, 57, 59, 67, 69, 71, 73, 75, 81, 83e, 85, 92-95
- 2.2: 1, 3, 4, 5, 6, 7, 9, 11, 13, 15, 19, 21, 23, 24, 25, 26, 27, 28-31 all, 36, 37, 43, 45, 46
- 2.3: 1-16 all, 17, 21, 25, 27, 29, 33, 34, 39, 42, 45, 46, 49, 50, 51, 53, 55, 60, 53, 65, 67, 68, 69, 71, 73, 75, 77, 81, 82, 83, 85, 89
- 2.4: 1-6 all, 8, 9, 15, 17, 19, 21, 23, 25, 29, 31, 33, 35, 37, 39, 41, 43, 44, 45, 47, 49, 53
- 2.5: 1-8 all, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 39, 41, 43, 45, 47, 49, 50, 51, 53, 55, 57, 59, 61, 64, 65, 71, 73, 75, 81a, 82
- 2.6: 1-8 all, 9, 35, 10, 36, 11, 37, 12, 38, 13, 15, 17, 18, 19, 20, 23, 27, 28, 29, 30, 31, 32, 33, 34, 39, 41, 43, 47, 48, 49, 50, 52, 57, 59, 63, 65, 71, 73, 75, 77, 79, 84, 85, 87, 97, 95, 96, 97
- 2.7: 1-8 all, 9, 11, 15, 19
- 3.1: 1-6 all, 9, 21, 31, 37, 38, 39, 40, 41, 42, 46, 47, 49, 51, 55, 56, 59, 62, 63
- 3.2: 1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 19, 20, 21, 25, 29, 33a, 35
- 3.3: 1, 3, 4, 5, 6, 7, 9, 10, 13, 16, 19, 21, 23, 25, 28, 29, 33, 35, 39, 45, 49, 51, 54, 55, 56, 57, 59, 61, 71
- 3.4: 1, 2, 4, 6, 7, 9, 11, 13, 14, 17, 19, 21, 23, 25, 27, 28, 31, 33, 37, 39, 41, 43, 49, 51, 53, 55, 57, 58, 59, 60, 63, 69, 81, 82\*
- 3.5: 3, 4, 5, 6, 17, 19, 21, 23, 25, 27, 28, 29, 33, 39, 41, 43, 57, 61, 63, 68, 69, 71, 7, 9, 13, 50, 51, 54, 76, 77, 81, 82, 83, 84
- 3.6: 1, 2, 3, 4, 5, 6, 7, 9, 13, 19, 23
- 3.7: 3, 4, 5, 6, 7, 11, 15, 19, 23, 27, 31, 33, 35, 37, 43, 45, 51, 57, 63, 67, 87, 91
- 3.8: 2, 3, 5, 9, 13, 17, 21, 25, 27, 31, 35, 37, 41, 45, 48, 52, 55, 59, 73, 77
- 3.9: 2, 3, 9, 11, 21, 25, 29, 31, 37, 43, 45, 47, 49, 50, 53, 55, 59, 63, 67, 70, 73, 97,
- 3.10: 1, 2, 3, 7, 8, 13, 19, 22, 25, 31, 35, 37, 38
- 3.11: 5, 6, 7, 8, 9, 13, 15, 17, 21, 23, 25, 28, 29, 34, 35, 37, 39, 41, 47, 55
- 4.1: 11, 12, 13, 15, 16, 17
- 4.1: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 14, 18, 19, 23, 25, 28, 29, 33, 37, 39, 43, 47, 51, 52, 53, 54, 57, 61, 71, 76
- 4.2: 2, 6, 7, 8, 9, 11, 12, 13, 14, 15, 17, 21, 27, 39, 43, 49, 53, 54, 57, 67, 71, 79, 85, 87
- 4.3: 9, 11, 15, 17, 18, 19, 21, 23, 27, 31, 45, 47
- 4.4: 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 35, 37
- 4.5: 7, 9, 11, 13, 14, 15, 16, 17, 19, 21, 23, 29, 31, 35, 43, 47
- 4.6: 1, 2, 3, 4, 5, 6, 7, 15, 16, 13, 23, 26, 27, 33, 35
- 4.7: 1, 3, 12, 13, 15, 16, 19, 21, 23, 25, 27, 31, 33, 37, 41, 45, 49, 53, 57, 61, 62, 63, 67, 69, 73, 75, 78, 80
- 4.8: 10, 11, 12, 14. (For these, instead of the directions specified, start at the point given and calculate the first 3 iterations by hand or with a calculator.)
- 4.9: 11, 13, 15, 17, 19, 21, 23, 26, 27, 33, 37, 41, 45, 46, 47, 53, 59, 61, 67, 73, 77, 81, 83, 91, 95
- 5.1: 4, 5, 6, 7, 8, 9a, 10a, 11, 35, 36, 39, 40, 41, 55
- 5.2: 6, 7, 10, 15, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 36, 37, 38, 40, 41b, 42d, 69

5.3: 29-50, 9, 11, 13, 17, 25, 51, 53, 61, 63, 65, 67, 69, 71, 112, 114

5.4: 7, 8, 9, 11, 12, 13, 17, 18, 21, 35

5.5: 2, 3, 4, 5, 6, 13-38 all, 45-52 odd, 64, 65, 69-82 odd

6.1: 7, 8, 9, 11, 15, 17, 22, 25, 27, 28

6.1: 40, 41, 42, 44, 45, 47

6.2: 9, 11, 13, 15, 19, 33, 52, 53

6.2: 23, 24, 25, 26, 31, 33, 41, 47

6.3: 7-52 every 3<sup>rd</sup> problem. (7, 10, 13, 16, etc)

6.4: 5-62 every 3<sup>rd</sup> problem (5, 8, 11, etc)

6.6: 5, 7, 9, 11, 17

6.5: 3, 4, 5, 6, 7, 9, 11, 15, 27, 29

6.7: 9, 11, 13

6.7: 17, 18