

MTH 1322 – Calculus II

Text: Single Variable Calculus: Early Transcendentals, 4th Edition, Jon Rogawski and Colin Adams

The final exam will consist of problems that are similar to examples discussed in class and problems from the list below. The problems with an asterisk (*) are meant to be challenge problems and will not show up on the final exam. Furthermore, 47–50, 51(a), and 52 from Section 10.7 will also not be covered on the final exam.

4.5 : 7, 8, 9, 13, 15, 16, 18, 32, 35, 39, 41, 43, 63(a), 67

5.7 : 11, 14, 16, 21, 23, 31, 35, 45, 53, 72, 82, 85–89, 93, 97

6.2 : 1, 2, 3, 5, 6, 21*

6.3 : 23, 25, 29, 31, 32, 35, 36, 38, 41, 53, 63*

6.4 : 5, 13, 20, 43, 49, 51, 54, 57

6.5 : 3, 5, 19, 20, 21, 25, 27, 39*

7.1 : 8–11, 13, 15, 16, 19, 20, 23, 26, 35, 36, 49–53, 67, 70–72, 95*

7.2 : 3, 5, 7, 9, 11, 20, 31, 47, 50, 51, 53, 69*

7.3 : 13(a)(b)(c), 14, 15–17, 19, 20, 29, 38, 50

7.5 : 9, 11, 12, 17, 29, 33, 35, 49, 55, 57*

7.7 : 1, 11, 13, 19, 21, 23, 25, 27, 29, 37, 47, 48, 60, 61, 63, 69, 71, 74, 101*

8.2 : 7, 25, 27, 41, 52

9.1 : 12, 13, 18, 19, 29, 30, 35, 66*

9.4 : 1, 3, 8*

10.1 : 13, 17, 20, 23, 31, 39, 41, 43, 57, 61, 65, 67, 69, 76, 77, 88*

10.2 : 1, 2, 11, 12, 15, 17, 18, 19, 23, 25, 26, 30, 33, 35, 45, 62, 64*, 71*

10.3 : 1, 4, 9–12, 15–17, 19, 20, 23, 25, 30, 37–39, 47–49, 55, 57, 59, 77, 83*

10.4 : 1, 3, 5–8, 9, 11, 12, 35*

10.5 : 5, 7, 13, 14, 16, 17, 24, 27, 43–51, 53, 58

10.6 : 1, 3, 9, 10, 11, 13, 15, 25, 26, 29, 30, 35, 36, 39, 49, 52, 55

10.7 : 1–4, 7, 8, 19, 23, 25, 27, 29, 47–50, 51(a), 52

10.8 : 1–7, 12, 44, 49(a), 50–53, 55, 75, 85, 88, 89, 92*