MATH **1042/1942**   **Review Problems for Final Exam**   **Spring 2025**

Text: James Stewart, *Calculus, Early Transcendentals*, **9th** Edition, Cengage Learning

Chapter 5: Integrals

5.2: 35, 36

5.3: 2abc, 3abc, 27, 29, 73

5.4: 33, 36, 37, 51

5.5: 9, 11, 18, 32, 35, 36

Chapter 6: Applications of Integration

6.2: 5, 11, 12, 13

Chapter 7: Techniques of Integration

Section 7.1: 7, 8, 9, 11, 15, 27, 71b

Section 7.2: 1, 2, 3, 7, 11

Section 7.4: 7, 8, 15, 16, 17, 18

Chapter 11: Infinite Sequences and Series

Section 11.1: 2, 33, 34, 37, 39, 61, 62

Section 11.2: 15, 18, 21, 38, 41

Section 11.4: 8, 11, 12, 23, 24, 31

Section 11.6: 3, 5, 7, 10, 21, 22, 24, 26

Section 11.8: 13, 14, 17, 21, 22, 24, 33 (in these problems, you need only find the *interior* of the interval of convergence; you do not need to test the endpoints)

Section 11.9: 7, 9, 15, 16ab, 17, 27, 28, 29

Section 11.10: 3, 4, 5, 7, 9, 39, 40, 41, 43

Section 11.11: 3, 4, 5, 7

MCC Review Workshop:

Tuesday, 29 April, 4:00pm - 6:00pm, Gladfelter L021