MATH 1041   **Exam 1 Review Problems**   **FALL 2021**

Text: **1. James Stewart**, _Calculus, Early Transcendentals_, **8**th Edition, Cengage Learning.
2. _Math 1041 Supplementary Exercises_

Chapter 2: Limits and Derivatives

2.1: 5a(i,ii), 7a(i,ii)

2.2: 4, 5, 7, 17, 31, 32, 33

2.3: 2cde, 17, 21, 23, 24, 37, 38, 41, 42, 49ab, 51. Also do **SE 2.3** 1 and 2

2.5: 3, 6, 21, 23, 37, 41, 43, 45, 53, 55 Also do **SE 2.5:** 1 and 2

2.6: 3, 18, 19, 23, 31, 35, 36, 37, 40, 49, 51, 52 (in 49, 51, 52 do not check your work by graphing) Also do **SE 2.6** 1

2.7: 15, 16ab (in 15 and 16 you may use differentiation rules), 31, 33, 35 (in 31, 33, 35, take $a = -4$), 37, 38, 39, 41

2.8: 26, 27, 29, 41, 42

Chapter 2 Review: Concept Check: 4, 5, 7, 9, 15   True-False Quiz: 13, 16, 18, 21, 22
Exercises: 1, 2, 3, 5, 10, 37a, 40

Chapter 3: Differentiation Rules

3.1: 4, 11, 13, 14, 19, 23, 25, 34, 35, 49, 50ab, 55, 56

3.2: 4, 5, 13, 19, 27, 31, 32

3.3: 1, 3, 5, 11, 23, 30, 33, 34

SSC Review Workshop - Thursday, September 30, - zoom: .

Study Hall Review - Wednesday, Sep 29 5:00-6:30pm - temple.zoom.us/j/95211579393