Below is a list of review problems to help you prepare for the exam on Wednesday, October 4. In addition to these you should be looking over class notes and in class quizzes.

2.1: 23, 25, 27, 33, 46, 47, 49, 58, 64, 65, 69
2.2: 35, 45, 49, 51, 54, 55

Additional Instructions: For all graphing problems, also label all x and y intercepts with their coordinates.

2.3: 7a-c (also for 7 find the intervals of x on which h(x) > 0), 8a-d (for 8d, find the interval(s) on which g(x) < 0), 31, 33, 43, 45
3.7: 3, 17, 19, 23, 31

Additional required problems: all additional 2.3/2.7 homework problems in Canvas regarding determining where f(x) > 0 and f(x) < 0
2.6 7, 9a, 11, 14a, 21, 22, 23, 25, 26, 27, 28, 30, 31, 35, 45, 49, 67, 85, 86, 87, 90

Additional required problems: all additional 2.6/3.6 homework problems in Canvas regarding graphing piecewise-defined functions

Additional Instructions: Label x and y intercepts with their coordinates for all graphing problems

3.6: 13, 17 (this can be rewritten \( \frac{1}{x-2} + 2 \)), 23 (Extra: Find the value(s) of x for which t(x) = -5), 29, 32, 33, 35, 41

Additional Instructions: Label asymptotes with their equations and x and y intercepts with their coordinates for all graphing problems

2.7: 11, 13, 15 (write your answers as a single simplified fraction), 27, 29, 31, 49, 55, 57, 58, 63, 67
2.8: 7, 9, 11, 25, 29, 37, 39, 40, 43, 45, 49, 53, 55, 61, 67, 68, 71, 73

Additional Instructions: For problems assigned from 37-45, make sure to show both function compositions. For problems assigned from numbers 50-68, also find the domain and range in interval notation for f and f^{-1}.

Chapter 2 Review: 73, 84(a-d)

*The answers to all odd problems can be found in the back of the text. The answers to even problems and the extra problems will be made available in Canvas.

PASS Sessions coming up before the exam are

Thursday, September 28,  4:00pm-4:50pm   Charles Library 201
Friday, September 29,  2:00pm-2:50pm   Charles Library 201
Monday, October 2,  6:00pm-6:50pm   https://temple.zoom.us/j/98734914176
Tuesday, October 3,  7:00pm-7:50pm   Charles Library 201

MCC Review
Tuesday, October 3,  6:30pm-8:00pm   SERC 00116

SSC Study Studio
Tuesday, October 3,  5:30pm-6:30pm   Charles Library 340