

Due Date: Friday 11/16/2018

(Late homework sets will lose credit at a rate of 10% per class day late.)

Attach this page to the front of your focus problems and completed assignments.

ASSIGNMENTS:

For each assignment, fill in how many of the assigned exercises you completed in the table below. Your score will be based on the percent of assigned exercises that you completed. The completed assignments are worth 12 points.

<i>Assignments</i>	<i>Number of Exercises Completed</i>	<i>Total Number of Assigned Exercises</i>
Section 2.1 Part 1 5, 10, 19, 21, 27-35 odd, 39, 41, 47, 51, 55, 59, (75,77,78 difference quotient)		18
Section 2.1 Part 2 63, 69, 81, 87, 89, 91, 93, 101		8
Total		26

FOCUS PROBLEMS:

Please complete these problems on a sheet of graph paper and attach them between this cover sheet and your section assignments. The focus problem solutions are worth 4 points. Focus problem solutions that are not neatly done or that don't show steps will be returned to be redone with a penalty of one point.

1) Find the domain of each function: a) $f(x) = \frac{x-2}{x^3-x}$ b) $g(x) = \sqrt{5-4x}$

2) Given $f(x) = 1 - 2x$ and $g(x) = 3x - 5$, find each of the following. **Simplify your answers.**

a) $(f - g)(x)$

b) $(f \times g)(4)$