


## HOMEWORK CHART 7 – Applications of Integration

**Remember to check the web page for adjustments to the homework schedule if we miss class unexpectedly due to the weather.**

Date Due

11/10		Use the statistics on the Laboratory Assignment #6 instructions to calculate the Gini Index for the years 1935, 1941, and 1946. Do not use StudyWorks. Use your TI-CAS integral function to evaluate the integral. Answers: 0.428, 0.411, and 0.377 Pg. 454-457 Exercises: 89, 97
11/11		<i>Class will begin at the start of lunch – food provided.</i> Problem Sheet 7: 1 - 6
11/14	*	<i>Read Sec. 7.2, pg. 463b-464 only</i> Problem Sheet 7: 7 Pg. 465-468 Exercises: 72ad, 74bc, 71b
11/15	*	<b>Laboratory Assignment - 7</b> <i>Read Sec. 7.2, pg. 458-463a only</i> Pg. 465-468 Exercises: 3, 5, 8, 9, 11b, 14a, 23, 35, 53
11/17		Pg. 465-468 Exercises: 11c, 14b, 18, 21, 54, 57 Problem Sheet 7: 8
11/18	*	<b>QUIZ on Sec. 7.1c to 7.2</b>
11/21		<i>Read Sec. 7.4, pg. 478-481a</i> Pg. 485-488 Exercises: 3, 12, 16, 23, 28, 34, 65
11/22		<i>Read Sec. 7.5, pg. 489-491 and 493 only</i> Pg. 495-497 Exercises: 17a, 20, 21, 23, 26

11/28	*	<b>Problem Set - 7</b> <i>Read Sec. 7.5, pg. 494 only</i> Pg. 495-497 Exercises: 27, 30, 31, 38a A 100-lb weight is suspended from a 20-ft cable weighing 0.25 lb/ft. The weighted end is raised 15 ft and the other end remains in its original position. How much work is done?
11/29		<i>Read Sec. 7.7</i> Pg. 513-5514 Exercises: 7, 8, 9, 11, 20
12/1	**	<b>TEST on Sec. 7.1c to 7.2, 7.4a, 7.5, and 7.7</b>
12/2		No Assignment - (Work on Laboratory Assignment - 8)