

Tentative list.

EML 5060

Homework Set 1

Fall 2007

Page	HW	Class	Topic:
139	13e	13a	curve tracing #
139	13h	—	curve tracing* #
139	13i	13g	curve tracing #
128	43	30	optimization ¹
128	40	30	optimization #
249	10b	—	limits
250	10s	10v	limits*
250	10c'	10z	limits
461	26a	27a	absolute, relative errors
461	30	29	time-rate of changes
369	10	14	velocity and acceleration *#
369	13a	—	velocity and acceleration #
224	44	'44'	numerical integration #
438	—	10b	numerical approximation
439	12a	—	numerical approximation
440	24	—	numerical approximation ²
440	29	30	numerical approximation ^{3*} #
528	13a	—	plane area *#
528	14b	14e	centroid of a plane area *#
528	16d	—	do moment of inertia I_y #
549	20c	—	volume #
549	21a	21c	centroid of a solid, do \bar{y} * #
550	22d	—	do moment of inertia I_x *#
477	35a	35b	projection
477	36a	36b	parallel plane

*: Recommended question. Not required if you know you can do it. #: Make a graph. ¹ area is $\pi r \sqrt{r^2 + h^2}$ ² answer should be 0.0699. ³: To $x = 0.5$.