

For the FOURTH edition of the Calculus book:

EML 5060

Homework Set 1

Fall 2009

Page	HW	Class	Topic:
139	13b	13a	curve tracing #
139	13d	—	curve tracing #
139	13e	—	curve tracing #
139	13h	13g	curve tracing #
140	19	—	curve tracing #
127	31	30	optimization ¹ #
128	42	—	optimization #
438	—	10b	numerical approximation
439	12a	—	numerical approximation
440	24	—	numerical approximation ²
440	29	30	numerical approximation ³ #
250	10s	10v	limits
250	10d'	10z	limits
461	26a	27a	absolute, relative errors
461	30	29	time-rate of changes
369	11	14	velocity and acceleration
369	15	—	velocity and acceleration ⁴ #
528	16d	—	do moment of inertia I_y #
549	20c	—	volume #
550	22d	—	do moment of inertia I_y #

#: Make a graph.

¹ The reduced charge applies to *all* thousands ordered.

² Correct answer is 0.07023, or more accurately 0.069996.

³ Integrate to $x = 0.5$.

⁴ Answer is wrong.

For the FIFTH edition of the Calculus book:

Page	HW	Class	Topic:
128	13b	13a	curve tracing #
128	13d	—	curve tracing #
128	13e	—	curve tracing #
128	13h	13g	curve tracing #
129	19	—	curve tracing #
116	31	30	optimization ¹ #
117	42	—	optimization #
402	—	10b	numerical approximation
402	12a	—	numerical approximation
403	24	—	numerical approximation ²
404	29	30	numerical approximation #
227	10s	10v	limits
228	10d'	10z	limits
422	26a	27a	absolute, relative errors
423	30	29	time-rate of changes
338	11	14	velocity and acceleration
338	15	—	velocity and acceleration ⁴ #
487	16d	—	do moment of inertia I_y #
507	20c	—	volume #
508	22d	—	do moment of inertia I_y #

#: Make a graph.

¹ The reduced charge applies to *all* thousands ordered.

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⁴ Answer is wrong.