Math Analysis Honors Assignments
February, 2009

Be prepared for a surprise !!!!!

Remember to do the BOOK PROBLEMS FIRST on your homework.

Thurs	2/7	Page 136 #9 & Worksheet #74	Velocity from a graph
Fri	2/8	Page 136 #10 & Worksheet #75	Review, optimization, derivative tests
Mon	2/11	Page 136 #11 & Worksheet #76	Review, velocity from a table
Tues	2/12	Page 136 #12 a-d & Worksheet #77	Review AMC Exam in the GYM – No opener!
Wed	2/13	Page 136 #18 & Worksheet #78	Review
Thurs	2/14	Page 136 #19 & Worksheet #79	Review & Free Response problem
Fri	2/15	Page 136 #13 & Worksheet #80	**Exam 3 – Accelerate your grade test**

Page 136

10a)	Left (2,3)(5,6) Right (0,1) Still (1,2)(3,5)
12a)	135 seconds
12b)	$\approx 0.068 \frac{\text{furlongs}}{\text{second}}$ $\left(\frac{5}{73}\right)$
12c)	$\approx 0.077 \frac{\text{furlongs}}{\text{second}}$ $\left(\frac{1}{13}\right)$
12d)	Between the 9^{th} and 10^{th} furlong
18a)	$190 \frac{\text{ft}}{\text{second}}$
18b)	2 seconds
18c)	After 8 seconds. V(8) = 0
18d)	After about 11 seconds. V(11) = $v(11) = -90 \frac{\text{ft}}{\text{second}}$ $\therefore$ Falling at 90 $\frac{\text{ft}}{\text{second}}$
18e)	About 3 seconds (8<t<11)
18f)	Just before the engine stopped. From t = 2 to t = 11 while the rocket was in free fall.