

CH 2: Motion Along a Straight Line

Chapter Homework: Problems 6, 13, 35, 62

Day	Topics	Section Homework	Pre-Reading
1	Differential Calculus	Calculus Practice I (handout)	
2	Integral Calculus	Calculus Practice II (handout)	
3	Calculus Workday		Sec. 2.1-2.6 Pg. 14-21 (25 min)
4	Motion Position and Displacement Avg Velocity and Avg Speed Instantaneous Velocity and Speed Acceleration	Q: 1, 2, 3, 6 P: 5 [0m, -2m, 0m, 12m, 12m, 7m/s, graph] 12 [-6m/s, neg, 6m/s, decrease, yes, no] 18 [1.10m/s, 0.00611m/s ² , 1.47m/s, 0.00611m/s ²]	Sec. 2.7-2.10 Pg. 21-28 (25 min)
5	Constant Acceleration Free Fall Acceleration Integration in Motion Analysis	Q: 4, 5, 7, 8 P: 24 [30s, 300m] 33 [-2.5m/s ² , once, none, twice] 47 [4.0m/s] 60 [0.13m, 0.50m]	
6	Workday		
7	Mini-Lab #3: Introduction to Lab Equipment		
8	Test		