

Laboratory #4 Average and Instantaneous Velocity

1. Time Distance Traveled (to nearest mile)

12:00	
12:20	
12:40	
1:00	
1:20	
1:30	

2. a) Average Velocity \_\_\_\_\_  
 b) Support of Claim

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. a) Distance Traveled \_\_\_\_\_  
 Length of time \_\_\_\_\_  
 Average Velocity = \_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_

- b) Distance Traveled \_\_\_\_\_  
 Length of time \_\_\_\_\_  
 Average Velocity = \_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_

- c) Which Faster?  
 \_\_\_\_\_

- d) Support for Laura's claim  
 \_\_\_\_\_

4. a) Distance Traveled \_\_\_\_\_  
 Length of time \_\_\_\_\_  
 Average Velocity = \_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_

- b) Distance Traveled \_\_\_\_\_  
 Length of time \_\_\_\_\_  
 Average Velocity = \_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_

- c) Distance Traveled \_\_\_\_\_  
 Length of time \_\_\_\_\_  
 Average Velocity = \_\_\_\_\_ / \_\_\_\_\_ = \_\_\_\_\_

- d) Which part faster? \_\_\_\_\_  
 e) Support of claim?

\_\_\_\_\_

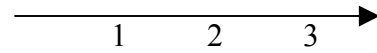
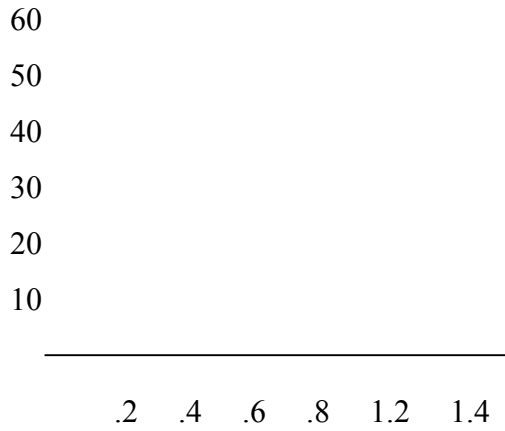
\_\_\_\_\_

5. \_\_\_\_\_

6.

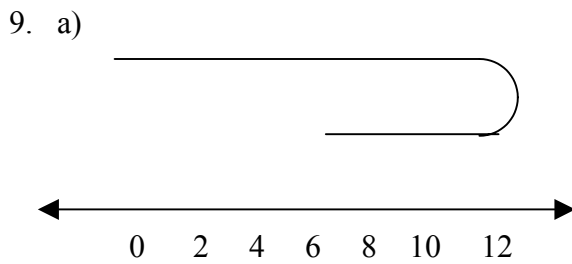
Time	Av. Vel	Time	Av. Evel
12:05		12:45	
12:05		12:50	
12:10		12:55	
12:15		1:00	
12:20		1:05	
12:25		1:10	
12:30		1:15	
12:35		1:20	
12:40		1:25	

7. |



8. a) \_\_\_\_\_  
 b) \_\_\_\_\_  
 c) 1) \_\_\_\_\_  
 2) \_\_\_\_\_

- e) \_\_\_\_\_  
 f) \_\_\_\_\_  
 g) \_\_\_\_\_  
 h) \_\_\_\_\_  
 i) \_\_\_\_\_  
 j) \_\_\_\_\_  
 k) \_\_\_\_\_



Computation:

- b)  $t =$  \_\_\_\_\_ and  $t =$  \_\_\_\_\_
- c) i) \_\_\_\_\_  
 ii) \_\_\_\_\_  
 iii) \_\_\_\_\_

