

## Short Answer Questions

Name \_\_\_\_\_

- 1) Under what condition(s) can the magnitudes of speed and velocity be equal?
  
  
  
  
  
  
  
  
  
  
- 2) Does an object experiencing a constant velocity have a zero or non-zero value for acceleration? *Why or why not?*
  
  
  
  
  
  
  
  
  
  
- 3) Does an object experiencing a constant acceleration have a zero or non-zero value for velocity? *Why or why not?*
  
  
  
  
  
  
  
  
  
  
- 4) If you know the initial and final position of an object and how long it took to change locations, can you determine the objects instantaneous velocity? *Why or why not?*  
Can you determine the objects average velocity? *Why or why not?*