

General Physics Homework 8/15
Hewitt # 4, 6, 10, 43, 45

4. What is the difference between instantaneous speed and average speed?

6. What is the difference between speed and velocity?

10. Acceleration is the rate at which what happens?

43. A dragster going at 15 m/s north increases its velocity to 25 m/s north in 4 seconds. What is its acceleration during this time interval?

45. We drive for 1 hour at 20 km/h. Then we drive for 1 hour at 30 km/hr. What is our average speed?