
“Velocity”: Unit 4

Unit Title: Quiz #4 Review

1. What is the difference between displacement and distance?
2. What is the difference between a linear motion and curvilinear motion? What are some examples that were given in class?
3. What is motion?
4. What is relative motion?
5. What is a reference point?
6. What three ways can you solve velocity problems?
7. What is speed?
8. What is velocity?
9. What is instantaneous velocity?
10. What is the formula for velocity?
11. Know how to solve two-vector problems (Collinear and perpendicular)
12. Know how to solve velocity problems mathematically using trigonometry. (Look at your example problems, QOD problems and worksheet problems)
13. Know how to solve velocity problems by graphing with a scale.
14. Know how to perform unit conversions.
15. Know how to read a graph and do the following:
 - a. Calculate speed
 - b. Calculate displacement
 - c. Calculate time
16. Know when an object has the greatest speed and when an object is at rest on a graph.
17. When does an object reverse direction on a graph?