Study Guide for Unit 1 Physics Test

\*\*Using your notes and assignments: write a 1 paged ( 1 side) study guide that covers the information below.

1. Know the 6 parts of a lab report and how to write one.
2. Know how to convert from one metric unit to another (example: 10 km = \_\_\_\_ dm).
3. Know what dimensional analysis is and how to use it toc convert from the English system to the metric system. (example: 1600 m = \_\_\_\_\_\_\_ yards).
4. Know what average velocity is, instantaneous velocity is and the difference between the two.
5. Know how to calculate the final velocity of an accelerating object.
6. Know what acceleration is and how to calculate it.
7. Be sure to label all of your calculations with the correct units.
8. Know what a scalar and a vector are and the difference between the two of them.
9. Know what significant digits are and how to use them.
10. Know how to calculate the distance of a falling object if you are given the time.
11. Know how to calculate the distance of an accelerating object.