

Name: _____

PHYSICS I & ADVANCED TOPICS WEBASSIGN HOMEWORK EXPECTATIONS

Your success on physics problems is based upon your ability to convey your method(s) for problem solving in a clear and concise manner. It is expected that your homework will also be completed in the same manner. Your homework will be graded by the following criteria. If an assignment or lab report does not meet the rubric's criteria, a **zero** will be issued for that part of the assignment.

NOTE: Each student will have a WebAssign account at www.webassign.net.

USERNAME: First Initial Last Name (Example: sroe)

PASSWORD: wscaphysics

WebAssign Timed Endurance Training (PIM TET)

(1 Point per entry) **Online** submission of answers to all of the PIM TET problems by the designated due date.

WebAssign Problems (Ex. PIM Ch.02A–Displacement)

There are two parts to your weekly homework assignments:

1. (1 Point per entry) **Online** submission of answers to all of the Web Assign problems.
2. (7-8 Points per problem) The **Final Copy** of WebAssign problems worked out and submitted by their designated due date.
 - a. Each problem must be solved in a neat, coherent, and organized manner.
 - b. The following parts are required to receive full credit on your homework:
 - i. (1 Point) Identify what you are trying to find.
 - ii. (1 Point) Identify all given information.
 - iii. (1 Point) Draw a diagram.
 - iv. (1 Point) Provide the appropriate basic equation(s).
 - v. (1-2 Points) Symbolically solve for a single equation that relates the unknown value to the given information.
 - vi. (1 Point) Substitute your numbers and units into the equation.
 - vii. (1 Point) Provide an answer with units.

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PROBLEM SOLVING STRATEGIES IN PHYSICS

1. Read the whole problem and make sure you understand it. Then read it again.
2. Decide on the objects under study.
3. **Write down the known (given) quantities, and then the unknown one(s) that you need to find.**
4. **Draw a diagram and choose coordinate axes.**
5. What physics applies here? Plan an approach to a solution using the known and unknown quantities.
6. **Which equations relate the known and unknown quantities? Are they valid in this situation? Solve algebraically for the unknown quantities and check that your result is sensible (correct dimensions).**
7. **Calculate the solution by substituting known values (and units) and round it to the appropriate number of significant figures.**
8. Look at the result – is it reasonable? Does it agree with a rough estimate?
9. **Check the units again. Do you have them?**

Bold Lines are required for your WebAssign Final Copy.