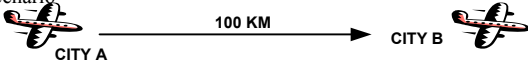


PROBLEM SOLVING PROTOCOL*

Mr. Menin – Physics / Physical Science - Bromfield - Room 279

***REQUIRED FOR ALL PROBLEM SOLVING ASSIGNMENTS.** Graded relative to all assignments that are handed in via hard copy (e.g. Miscellaneous or Unannounced Notebook Quizzes, Extra Credit Problems, et. al.).

- The steps listed in the (right) sample sheet are required.
- Grading Rubric - The indicated (below) grading codes are reflective of the sort of parameters that are being reviewed. A Student may lose points if any of these parameters is not sufficiently addressed.
- Required Layout, on 8.5" x 11" Paper (No Ragged Edges Please) is shown to the right. No red or purple ink please. Multiple pages must be stapled. Assignments received without adherence to these formatting guidelines may be rejected..
- If a graph or plot is requested, a data table must be represented and graph paper (or a computer generated facsimile) must be utilized.
- Barring extreme circumstances, late assignments will not be accepted without a parent/guardian note of reason – which must be related to a concurrent illness.

POD # & Restatement of Problem.	NAME _____
	DATE _____
	SEC/PER _____
Sketch of Scenario ~	
	
List Related/Relevant/Pertinent Relationships, Formulas, Laws, Conversion Factors, etc..	
List what is known & List what is unknown/what is desired to be known.	
If an unknown quantity can be expressed in terms of a known quantity – please indicate that. Convert all numbers to common units as necessary.	
Manipulate relationships/formulas (<i>isolate unknown variable(s)</i>) and plug in known quantities as necessary to solve for desired quantities.	

Grading Scale => 0 to 100% (Generally in 5% to 10% Increments)

Grading Codes:

- N = Neatness (*i.e. not very neat*).
- U = Improper or insufficient use of units.
- PS = No Problem Statement
- S = No Scenario Sketch
- I/A = Incomplete or Incorrect Answer
- CR = Can't Read (*Poor or Very Small Penmanship*)
- W = Insufficient Work Shown.
- PR = Pertinent Relationships Not Listed.
- F = Not following Format (*e.g. heading*).
- AME = Apparent Math Error.
- ARS = All Required Steps Not Included
- I/M = Improper Method.
- INC = Incomplete.