## **Proposed Problem**



- Create Useful description sketch, graphs, define quantities, define problem
- Physics Approach list physics concepts that would apply to this problem
- <u>Specific Application of Physics</u> use the concepts to model mathematically model the problem
- Mathematical Procedures use the equations to solve the problem

Aug 5-9:52 AM

Physics Problem Solving Sheet
Useful Description Picture & Given Information:  A STA 20 MPh  and acc.
Boto 1/8 = 30 mbh const. vel.
O mi
Question: When will you pass den?

Jul 26-9:35 PM

Target Quantiy:

Physics Approach

Physics Concepts and/or Principles:

See prev.

Specific Application of Physics

Assumptions/ Constraints:

Specific Equations:

Const up:  $V = \frac{\Delta X}{\Delta Z}$ Const up:  $V = \frac{\Delta X}{\Delta Z}$ Const up:  $\Delta X = \frac{\Delta X}{\Delta Z}$ V;  $Z = \frac{\Delta X}{\Delta Z}$ 

**Mathematical Procedures** 

Employ specific equations to solve for target quantity.

Jul 26-9:49 PM