

Name:

Student ID:

Physics 9B Lab Report #9

I. Work Extracted From Engine

1. Compare the work output from the PV diagram to the work done by the piston against gravity in raising the weight.
 - a. Estimate the work output of the engine. Explain how you are making this estimate.

- b. Determine the work done raising the weight. Explain how you extract the info you need for this from the PV diagram.

- c. How do the two values above compare? Unless they are precisely equal, one is larger than the other. Does it make sense that this one should come out slightly larger? Why?

