Name _____   Class _____

\<Show all work on calculations. Include proper units. Explanations require complete sentences.\>

1)   Determine the maximum gravitational potential energy of the pendulum bob (relative to it's lowest point)

_____ J

2)   Determine how much work was done by friction/wind resistance to stop the pendulum.

_____ J

3)   Determine the average Power developed by friction/wind resistance while stopping the pendulum.
.

_____ W

4)   How much energy is lost by the pendulum during its first swing (from left to right)? How much energy is lost by the pendulum during its return swing (from right to left)?

L to R: _____ J;   R to L: _____ J