#25

Physics Homework **Name _____**

Date _____ Period _____

Show PAWS

1. A 5.7kg solid disk with a radius of 45cm is accelerated by using a 3.4n force tangent to the surface of the wheel. Find the distance the wheel will roll in 1.00 minutes.

2. A 25N force is used to pull a 15kg mass up an inclined plane with an angle of 25 degrees. Find the efficiency of the plane.

3. What is the length of a pendulum with a frequency of 0.22Hz?

4. A box is vibrating up and down at the end of a spring. Find the mass of the box if the spring has a elastic constant of 340N/m and the period of vibration is 1.2 seconds.

5. A pendulum clock has a normal period of 1.00s. The clock is moved into an elevator. What is happening to the motion of the elevator if the period clock is now running with a period of 1.30s?