PHYS1120 Summer 2025

- 1. You are designing a grandfather clock. For the operation of the clock, you need the internal pendulum to mark the passing of one second. How long must the pendulum be to have a period of 1 second?
- 2. Now imagine you are on a future colony on Mars, where the gravitational acceleration is 38% the surface gravity of the Earth. What is the length of the pendulum on Mars with a period of 1 second?