

Phys 1061 Recitation Problem 4 Due Thursday, 06/04

- ~~1061~~ (a) Calculate the altitude (i.e. height above the Earth's surface) of a satellite which is in geosynchronous orbit around the Earth's equator. (This means that it orbits the Earth once per day, thereby always staying above the same location on the surface.)

- (b) How much work does the gravitational force do on such a satellite during the course of one day?