Name: Score: /10

PHYS 211: Quiz 13

June 19, 2012

1. If an asteroid takes 4 earth years to complete an orbit around the sun, what is the ratio of its distance from the sun to that of the earth? Assume circular orbits.

2. A satellite is in a geostationary orbit (i.e., its position with respect to any point on the earth doesn't change). What is it's time period? Using this information, find the distance from the center of the earth at which it is orbiting.