

**Physics 113 – Fall 2012 – Problem Set 6 – Due October 18, 2012**

1. 6-2
2. 6-7
3. 6-11
4. Knowing that the Earth-sun distance is approximately  $1.5 \times 10^8$  km, calculate the mass of the sun assuming the orbit of the Earth about the sun is circular.
5. 6-29
6. 7-58
7. 8-16
8. 8-20
9. 8-21
10. 8-36
11. 8-50
12. 8-68