Problem Set #3

Due Wednesday, October 12 by 5pm to Dickinson 104

Unless otherwise indicated, all problems come from "Essentials of College Physics"
Make sure to clearly state all assumptions you make and to show your work.

1. *Conceptual Question* 4.14 *(Note: assume that the distance between the rocket and the center of the Earth does not significantly change over the rocket's flight)*
2. Problem 4.7
3. Problem 4.15
4. Problem 4.16
5. Problem 4.43
6. Problem 4.52
7. Problem 4.62

Individual Problem: Problem 4.60