Problem Set #2

Due Friday, September 30 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* 3.12
2. Problem 3.16
3. Problem 3.34
4. Problem 3.39
5. Problem 3.41
6. Problem 3.51
7. Problem 3.55 (*Hint: At some point, the following trig identity may prove useful: 2*sin(θ)cos(θ) = sin(2θ)*)

Individual Problem: Problem 3.42