Problem Set #1

Due Friday, September 20 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**.*

Note: On this problem set (and future problem sets), I will use the following notation: [Chapter].[Problem #]
So, the first problem assigned this week is Problem #20 in Chapter 1.

Note: Unless explicitly stated, assume that all described experiments/events happen on Earth and that you can neglect air resistance.

1. Problem 1.20 (*Hint: It's easier if you do the unit conversions before calculating the volume*)
2. Problem 1.34
3. *Conceptual Question* 2.6
4. Problem 2.18
5. Problem 2.44
6. Problem 2.46
7. Problem 2.47
8. Problem 2.51

Individual Problem: Problem 2.39