Problem Set III — Math 52

Due: Thursday, Jan. 28.

Section 13.5 (p.1036): 15, 24, 30, 42, 48, 54.

Section 13.6 (p.1046): 2, 8, 12, 22, 36, 39, 43, 48.

Remark:
1. The formula of polar moments of inertia is the $I_0$ on page 1033.
2. The average of $-1, 2, 3$ is $\frac{(-1)+2+3}{3}$. What should be the integral formula for average over a region (solid)?