# Written Homework Problems §5.3
## 14 problems for 28 points

Problems in <span style="color:red">red</span> are optional extra practice.

§5.3 #149,151,153,155,<span style="color:red">159</span>,161,171,177,179,180,183,185*,187,189,191,<span style="color:red">199</span>**

*In some printings of the text this problem is mis-printed. It should be: $\int_0^{\pi/4} \sec(\theta)\tan(\theta)d\theta$.

**For each part of this problem, all you need to do is **set up an integral** that answers each part. Then, use a computational tool to actually evaluate the integral.