## Homework 10

1. Find the area of the region.

$$
\mathrm{f}(x)=-x^{3}+2, g(x)=x-3, x=-1, x=1
$$

2. Find the volume of the solid generated by revolving the region bounded by the graphs of the equations about the line $\mathrm{y}=4$.

$$
y=x, y=3, x=0
$$

