Homework 10

1. Find the area of the region.

$$f(x) = -x^3 + 2$$
, $g(x) = x - 3$, $x = -1$, $x = 1$

2. Find the volume of the solid generated by revolving the region bounded by the graphs of the equations about the line y=4.

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