Math 152 - Fall 2012 - Quiz #3 **Score**: _____ out of 10.

Name: _____

Show all work clearly and in order. Please box your answers. 10 minutes.

1. **Set up but do not evaluate the integral** for the volume of the solid obtained by rotating the region bounded by $y = x$ and $y = x^2$ about the line $x = -1$.

2. **Set up but do not evaluate the integral** for the volume of the solid obtained by rotating the region bounded by $y = x - x^2$ and $y = 0$ about the line $x = 2$.