QUIZ 1 - MATH 152 YOUR NAME:

Read each problem **very carefully** before starting to solve it and do only what is asked. Each problem is worth around 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

- 1. [6 points] Consider the functions $f(x) = -x^2 + 2x$ and g(x) = x.
 - (a) Sketch the region enclosed by the graphs of f and g.

(b) Compute the area of the region in Part (a).