QUIZ 1 - MATH 152 YOUR NAME: $\qquad$
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 $f(x)=-x^{2}+2 x$ 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).
