Math 106 A Winter 2011

Quiz 2

Note: Show all work. Correct answers given without justification will not receive full credit.

Name:
ID #:

Question 1) Find the area of the region bounded by $y = x^2 - 1$ and $y = x + 1$.

Question 2) Find the length of the curve $y = \sqrt{4 - x^2}$ from $x = 0$ to $x = 1$. 
Question 3) Find the volume of the solid formed by revolving the region bounded by $y = x^2$, $y = 9$ and $x = 0$ about the $x$-axis.