

Math 302

Any answer without justification worths nothing

Quiz 4

16/ 11/ 2014

Name:

ID #

Problem 1 (5 points): Let C be the curve given by $y = x^2 - 1$, $1 \leq x \leq 2$.
Evaluate

$$\int_C \frac{xdx + ydy}{\sqrt{x^2 + y^2}}$$

Problem 2 (5 points)

Let C be the path enclosing (bounding) R (shown in the figure). Compute

$$\oint x^2 + \sin(y^2)dy$$