

Quiz 8 Calculus 3 11/15/2004

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Let C be the path consisting of the triangle formed by the line segment from the origin to $(2,0)$, followed by the line segment from $(2,0)$ to $(2,5)$, and then by the line segment from $(2,5)$ back to the origin. Compute $\int_C \langle -y, 2x \rangle \cdot d\vec{r}$.