

Quiz 4

MATH 324 C. May 10, 2019

You have 5 minutes to complete the quiz.
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Name: _____

1. Let C be the curve consisting of the part of the circle $x^2 + y^2 = 9$ in the second quadrant $x \leq 0, y \geq 0$, oriented clockwise, and consider the vector field $F = \langle x^2, xy \rangle$. Compute the line integral

$$\int_C F \cdot dr.$$