

Quiz 2 Calculus 3 11/8/19

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

1. Let $\mathbf{F}(x,y) = \langle 4x, xy \rangle$. Compute $\int_C \mathbf{F} \cdot d\mathbf{r}$ for C the top half of a circle with radius 3 centered at the origin, traversed counterclockwise.

