

WRITE YOUR NAME:

MAC 2313 Quiz 23
Thursday April 18th

Calculate the flux of the vector field

$$\mathbf{F}(x, y) = (x^2y, 3x + y^2)$$

across the curve C , where C is the triangle bounded by the lines $x = 0$, $y = 1$, and $x = 2y$ (traversed counterclockwise).