

Quiz 13; Wednesday, April 27
MATH 53 with Professor Stankova
Section 109; 11-12
GSI: Eric Hallman

Student name:

You have 10 minutes to complete the quiz. Calculators are not permitted, and remember to show your calculations and explain your reasoning in order to receive full credit.

1. If $\mathbf{F}(x, y) = \langle \sin x - y, \cos y + x \rangle$, find the work that \mathbf{F} does on a goat that runs once **clockwise** around the triangle with vertices $(0,0)$, $(3,0)$, and $(1,2)$.