

Quiz 12; Wednesday, April 20
MATH 53 with Professor Stankova
Section 116; 3-4
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 $\mathbf{F}(x, y) = \langle -1, -1 \rangle$, find the work that the force field \mathbf{F} does on a goat running **counterclockwise** from $(1, 0)$ to $(-1, 0)$ along the unit circle.