

Math 173 - Quiz 10

April 19, 2018

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (10 points) Let T be the triangle in the xy -plane with vertices at $(0,0)$, $(1,1)$, and $(2,0)$. Evaluate the double integral

$$\iint_T (2x + y + 1) dA.$$

Carry out the integration by hand.

Follow-up: Write the iterated integral(s) with the opposite order of integration. Do not re-evaluate.