

Name: _____

Math 2030, Winter 2016, Quiz 7
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No calculators needed or allowed.

Let R be the rectangle $1 \leq x \leq 3$ and $0 \leq y \leq 2$. Compute the double integral

$$\iint_R f(x, y) dA$$

by writing it as an iterated integral for the two functions

1. $f(x, y) = xy^2$
2. $f(x, y) = xe^{xy}$