

## MATH 2000 Lab 2

Friday October 5, 2017

1. Sketch and shade the region of the double integral and then change the order the iteration

$$\int_2^3 dx \int_{3-x}^1 f(x, y) dy$$

2. Evaluate the iterated integral, show all of your work.

$$\int_0^1 dy \int_{\sqrt[3]{y}}^1 e^{-3x^4} dx$$