

Homework10

1. Evaluate the iterated integral.

$$(a) \int_1^3 \int_0^y \frac{4}{x^2+y^2} dx dy$$

$$(b) \int_0^{\ln 10} \int_{e^x}^{10} \frac{1}{\ln y} dy dx$$

2. Evaluate the double integral.

$$\int_0^4 \int_0^{\sqrt{4y-y^2}} x^2 dx dy$$