

Problem Set 5

MATH 16B Spring 2016

10 March 2015

Exercise (9.3.5). Compute

$$\int_0^3 \frac{x}{\sqrt{x+1}} dx.$$

Exercise (9.3.18). Compute

$$\int_0^{\pi/4} \tan x dx.$$

Exercise (9.6.40). Evaluate

$$\int_{-\infty}^0 \frac{8}{(x-5)^2} dx.$$

Exercise (9.6.43). Evaluate

$$\int_0^{\infty} \frac{e^{-x}}{(e^{-x}+2)^2} dx.$$