

MAU11001: Tutorial week 11

REMEMBER TO HAND PROBLEM 1 BEFORE THE TUTORIAL STARTS

- Integration techniques

Problem 1 *Compute the following integrals*

1.

$$\int \frac{\log x}{\sqrt{x}} dx$$

2.

$$\int \frac{\log x^3}{\sqrt{x}} dx$$

3.

$$\int x^3 e^x dx$$

Problem 2 *Compute the following integrals*

1.

$$\int \frac{\log(\log x)}{x} dx$$