

Seminar 7

PRIMA PARTE: Lucrare de control!

1. Evaluati integralele

a) $\int_0^1 \frac{e^x}{\sqrt{e^{2x}+1}} dx$

b) $\int_0^2 \max\{x, x^2\} dx$

c) $\int_1^{\sqrt{3}} \frac{\operatorname{arctg} x}{x^2} dx$

d) $\int_{-a}^a \sqrt{a^2 - x^2} dx, \quad a > 0$

e) $\int_2^4 \frac{\sqrt{x^2-4}}{x} dx$