

Name:

Class quiz 4

February 20, 2018

I) Find the following limit:

a- $\lim_{x \rightarrow 3^+} \ln \left(\frac{x^2 - 9}{x - 3} \right)$

b- $\lim_{x \rightarrow 1^+} \ln(\ln(x))$

II) Evaluate the following integrals:

$$\int_e^{e^3} \frac{3}{x(3 \ln(x) + 3)} dx$$