

Chapter 3.6: More Derivatives of Logs

Calculus I

College of the Atlantic. October 28, 2024

1. Take the derivative of the following functions:

(a) $h(x) = \ln(3)$

(b) $h(x) = \ln(4593x)$

(c) $h(x) = \ln(7x^4 + \sqrt{3x})$

(d) $h(x) = 7^{\sqrt{x}}$

2. Derive an expression for the derivative of $\log(x)$, the base-10 logarithm.