Chapter 3.6: Derivatives of Logs
Calculus I
College of the Atlantic. October 24, 2024

1. Take the derivative of the following functions:

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

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

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

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

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

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