



Activity 5.5 – Derivatives and Antiderivatives of Exponentials and Logarithms

1. Find the derivative of each function.

(a) $y = \ln x$

(b) $y = \log_b x$

(c) $y = \ln(3x^2 + 4x)$

(d) $y = t \ln t$

(e) $y = (\log_{10} x)^3$

(f) $y = b^x$

(g) $y = 1000(1.03)^t$