

Lesson 6.4

1. Find the derivative of each function.

(a) $y = \arctan(\ln x)$

(b) $y = x \sin^{-1} x$

2. Evaluate each integral.

(a) $\int \frac{1}{\sqrt{1-(2x)^2}} dx$

(b) $\int \frac{2}{9+x^2} dx$

(c) $\int \frac{-1}{\sqrt{4-x^2}} dx$