p. 126: 1. (8 pts) Use the Product Rule to differentiate the function

\[ h(t) = \sqrt[3]{t}(t^2 + 4). \]

p. 126: 11. (8 pts) Use the Quotient Rule to differentiate the function

\[ g(x) = \frac{\sin x}{x^2}. \]

p. 126: 49. (6 pts) Find the derivative of the trigonometric function

\[ y = -\csc x - \sin x. \]