

Name:

Section:

1. Find the derivative of $f(x) = x^2 \sec(7x) + \sqrt{9x - 2}$

2. Compute the integral

$$\int \frac{\sin x}{(1 + 3 \cos x)^4} dx$$

3. Indicate whether the following functions are one-to-one or not. For the ones that are one-to-one, draw their inverse on the same plot.

