

## Supplemental Exercises for Section 7.3

Find the derivative of each of the following functions.

1.  $f(x) = \tan e^x$

2.  $g(x) = \sec(xe^x)$

3.  $h(x) = \sin^3 e^x$

4.  $F(x) = \cot(e^x \ln x)$

5.  $G(x) = \cos(e^{\tan x})$

Selected Answers

1.  $e^x \sec^2 e^x$

3.  $e^x 3 \sin^2 e^x \cos e^x$