Differentiation Rules

Name: _____

Date: _____

Learning Goal 3.2

Applying derivatives to trigonometric and exponential functions.

More Questions

Example Differentiate.

a.
$$y = 10^{\tan x}$$

$$c. f(x) = x^4 4^x$$

e.
$$y = \frac{x}{10^x + 5}$$

$$g. \qquad g(t) = \ln(t^2 e^{-t^2})$$

b.
$$y = 2^{3^2}$$

$$d. g(x) = e^{2x^2 + x}$$

f.
$$y = \log_2(\sqrt{x-5})$$

$$h. \qquad y = \frac{e^{4x}}{x}$$