Name: _____   Date: _____

Learning Goal 3.3	Using more derivative rules.

More Questions

1. Find the third derivative of the following functions.

a. $f(x) = \dfrac{1}{x^5}$

b. $g(x) = -4x^5 + 3x^2 - 5/x^2$

c. $h(x) = (4 - x)^3$

d. $f(x) = \sin(x^2 + 1)$

e. $y = \dfrac{1}{(1 - 4x^3)^2}$

f. $g(x) = x \cos\left(\dfrac{1}{x}\right)$

g. $y^2 = 1 + x^2$

h. $\sqrt{x} + \sqrt{y} = 9$