5e Calculus Concepts
LaTorre, et al.

Learning Activity
3.6

Product Rule
Part 2

Name: _____

Grade: _____

Group Members Present:

_____, _____, &_____

For each function, write an expression for the derivative.

1. $f(x) = 12(6^x)(\ln x)$

2. $f(x) = (x+5)(e^x)$

3. $f(x) = 4(3^x)x^{-0.5}$

4. $f(x) = 13(17^x)x^{-2}$

5. $f(x) = (3x^2 + 15x + 7)(32x^3 + 49)$

6. $f(x) = (5x + 20)^5(3x + 1)$

7. $f(x) = \dfrac{3x^3 + 5}{2.7x + 14}$

8. $g(x) = \dfrac{9}{1 + 2e^{-0.3x}}$