

Derivatives of Functions Containing Exponents

2012 - 2013 Fall Semester MATH 1350 (Barsamian) Class Drill
(based on Section 4-2 Example 1 and Example 3)

(A) Let $f(x) = 2e^{(x)}$. Find $f'(x)$.

(B) Let $f(x) = 3x^e$. Find $f'(x)$.

(C) Let $f(x) = 2e^3$. Find $f'(x)$.

(D) Let $f(x) = 2 \cdot 3^{(x)}$. Find $f'(x)$.

(E) Let $f(x) = 2 \cdot e^{(3x)}$. Find $f'(x)$.

(F) Let $f(x) = 2x \cdot 3^{(4)}$. Find $f'(x)$.