Class Drill 9 Derivatives of Functions Involving Exponents

Find the derivatives of the following functions.

(A) \( f(x) = 5e^{(x)} \)

(B) \( f(x) = 5e^{(7x)} \)

(C) \( f(x) = 5 \cdot 7^{(x)} \)

(D) \( f(x) = 5e^{(7)} \)

(E) \( f(x) = 5xe^{x} \)