

Math 163A Class Drill 5: Don't Forget the Easy Derivative Rules

[1] Let $f(x) = 7(x^2 + 3x + 5)$

(A) Find $f'(x)$, using the product rule to deal with the 7 in front.

(B) Start over. Find $f'(x)$ again, this time using the constant multiple rule to deal with the 7 in front.

[2] Let $f(x) = \frac{(x^2 + 3x + 5)}{7}$

(A) Find $f'(x)$, using the quotient rule to deal with the fraction.

(B) Start over. Find $f'(x)$ again, this time using the constant multiple rule to deal with the fraction.