Class Drill 7: 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] $Let\ f(x) = \dfrac{(x^2 + 3x + 5)}{7}$
(A) Find $f'(x)$, using the Quotient Rule to deal with the fraction.

(B) Start over. Find $f'(x)$ again, but this time do not use the Quotient Rule. Instead, start by rewriting f as a constant times a term in parentheses. Then use the Constant Multiple rule