[1] Let $f(x) = \frac{7}{x + 5}$
(A) Find $f'(x)$, using the Quotient Rule.

(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 raised to a power. Then use the Constant Multiple rule and the Chain Rule.

[2] Let $g(x) = -\frac{7}{(x + 5)^2}$
(A) Find $g'(x)$, using the Quotient Rule.

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