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Mr. Koničhek  
Hmwk 3.3 cont.

(Cont.) 3.3 Pg. 194 (33)

$$\#33. f(x) = \left( \frac{x+3}{x-2} \right)^3$$

$$f'(x) = 3 \left( \frac{x+3}{x-2} \right)^2 \left[ \frac{\overset{x-2}{(x-2)} \overset{-3}{(1)} - \overset{-3}{(x+3)} \overset{x-2}{(1)}}{(x-2)^2} \right]$$

$$= \boxed{\frac{-15(x+3)^2}{(x-2)^4}}$$