

$$(127) \quad y = \frac{x}{x+1} \rightarrow y' = \frac{x+1-x}{(x+1)^2} = \frac{1}{(x+1)^2}$$

or

$$y + y = x \rightarrow x = \frac{y}{1-y} \rightarrow x' = \frac{1-y+y}{(1-y)^2} = \frac{1}{(1-y)^2} = \frac{1}{\left(1-\frac{x}{x+1}\right)^2} = (x+1)^2$$

$$y' = \frac{1}{x'} = \frac{1}{(x+1)^2}$$