Limits of log F2's

$$y=b^{x}$$
 $y=b^{x}$
 $y=log_{1}x$
 $y=log_{2}x$
 $y=log_{2}x$
 $y=log_{3}x$
 $y=log_{3}x$

Ex y= ln (x)	
$(\sqrt{2H}) \cdot 1 - (\frac{1}{2}(xH))^{2}$ $(\sqrt{2H})^{2}$)-1/2 x)
Uzeti	
2 1xt 1x+1) - 2 1x+1	= 2(x+1) - x
()()	(>(+1)
<u>√</u> √ ×+ 1	<u> </u>
	25xf(xH) x
	$ \begin{array}{c} 2x(x+1) \end{array} $
	22(27)

$$y = \ln \left(\frac{x}{\sqrt{2x+1}} \right) = \ln x - \frac{1}{2} \ln (x+1)$$

$$\frac{1}{x} - \frac{1}{3} \cdot \frac{1}{x+1}$$

$$\frac{2(x+1)}{x} - \frac{1}{3(x+1)} \cdot \frac{x}{x}$$

$$\frac{2x+2-x}{2x(x+1)} = \frac{x+2}{2x(x+1)}$$

$$f(x) = \log(3x+1)^{4} = 4 \log(3x+1)$$

$$f' = 4 \cdot \frac{3}{(3x+1) \ln 10} = \frac{12}{(3x+1) \ln 10}$$

$$f' = \frac{4(3x+1)^{3}}{(3x+1)^{3} \ln 10}$$