Haire upigen:

4a) lim 3x3-2x2 = lon x2(x-2) = lon x-2 = -1

x>0

x>0 CAU 1+x-1 . V1+x + 3/1+x +1 = 3 V1+x'+1 = 2 19) lim 5m(2x) = lim 5m(2x) 1 = 1 x30 18) low 5m(x) = 1 1c) Pour priesu (x) = 1 1d) lou (4x+3)6x = lou (4x-3 + 6)6x = lou (1+4x-3)6x $= \lim_{x \to 3} (1 + \frac{6}{4x-3}) = 0$ $= \lim_{x \to 3} (1 + \frac{6}{4x-3}) = 0$ $= \lim_{x \to 3} (1 + \frac{6}{4x-3}) = 0$ $= \lim_{x \to 3} (1 + \frac{6}{4x-3}) = 0$ 1e) $\lim_{x \to 3} \frac{\sin x + \ln x}{x} = \lim_{x \to 3} \frac{\sin x}{x} + \lim_{x \to 3} \frac{\ln x}{x} = \frac{|x - y + 1|}{|x - y + 1|}$ $= 1 + \lim_{y \to 3} \frac{\ln(|y + 1|)}{|y + 1|} = 1 + \lim_{x \to 3} \frac{\ln(|y + 1|)}{|y - y + 1|} = 1 + 1 = 2$ $\frac{1}{\sqrt{x}} = \frac{1}{\sqrt{x}} = \frac{1$