N6 4 46 1) lim (1+ =) = [10] = lim (1+ =) = = = lim (1+ =) = (lim (1+ +) + + = (lin (1+ = 1)8) = et 2) lim 201+52 = lim (1+52) = [100] = = lin (1+y) = = lin (1+y) = (lin (1+y) = 05 5) lim (2-3)2 = [(00)00] = lim (2(1-2))2 = = lim ((1+2)) - lim (1+2)2 = lim (1+2)2 = 03 = 05 4) lin e22-1 = [0] = lin e3-1 = lin £8-1 lim 22/1+3a = lim (1+3a) = [107 = 107 = 100] = lim (1+3a) = [107 = 100] = lim (1+3a) = [100] = 100 = 100] = 100 =

lin (2-5)2 - [(00)0] - lin (1+ (5))2 - lin (1+(5)) Lim (3+52) = [100] = lim 5(1+ \frac{1}{3}2) = lin e2-e2 = [0] = lin ex+2-e2 = lin e2(e8-1) = lime - limes-1 = c2.1 = e2 $\lim_{x\to\infty} \left(\frac{5-x}{6-2}\right)^{x-2} = \left[\left(\frac{\infty}{\infty}\right)^{\infty}\right] - \lim_{y\to\infty} \left(\frac{5-y+2}{8-9+2}\right)^{3} = \lim_{y\to\infty} \left(\frac{y-\frac{7}{4}}{y-3}\right)^{3} = \lim_{y\to\infty} \left(\frac{1+\sqrt{3}y}{1+\sqrt{3}y}\right)^{3} = e^{-\frac{7}{4}} = e^{-\frac{7}{4}+8} = e^{-\frac{7}{4}+8}$

lin ha -1 - [=] - lin en(=) = 4 m (x+e) = tim ln(+++ = lim ln(1+ xe') = e-1 N6 4 54 lim (1-5:22) tinz = [10] = (lim (1+y) +) = e-1 NB.4.55 lim a(th(2-5)-lnx)=[00(0-0)] = = $\lim_{z\to\infty} 2(\ln(\frac{2+3}{a})) = \lim_{z\to\infty} 2(\ln(1+\frac{5}{a})) =$ - lim & (ln(++ 1/2)) = lim (1+34) = 3