Spen 3 (23-du2) (3/22 + 17) 8) $\lim_{n \to \infty} \frac{(97 - 2n)^3}{4n(3n^2 + 15) + 8n}$ 23 $\lim_{n\to\infty} \frac{2n^3+13n(n+18)}{(27-n)(2n+19)^2} =$ 2 (Vn2+1-n)= $\lim_{n\to\infty} \left(\frac{7n^2+1}{\sqrt{n^2+1}} + n \right)$ $\lim_{n \to \infty} \left(\frac{n^2 + 1 - n^2}{\sqrt{n^2 + 1} + n} \right) = \lim_{n \to \infty} \frac{1}{n^2 + 1 + n}$ = 0

g) lim = (-4)n + 5.7 n n -> 5 (-4)n-1 + 7 n+2 $= \lim_{n \to \infty} \left(\frac{4n(-\frac{4}{7})^n + 5}{2n(-\frac{4}{7})^n, \frac{1}{4} + 49} \right)$ - lim (5-) - 5 = Gim $(n-1)\cdot h ((h-1)\cdot h, (h-1)h$ $=\lim_{n\to\infty}\left(\frac{1}{n-1\cdot n}\left(\frac{(n-1)\cdot n}{1\cdot 2\cdot 3+n}\right)^{n}+1\right)$ (Comerent & rucculivere >, relle 6 juanenarene) > + or

3a $1 = \frac{1}{a} + \frac{1}{3} + \frac{1}{6}$ $\frac{3a}{1 = \frac{1}{a} + \frac{1}{3} + \frac{1}{6}$ $\frac{3}{3} = \frac{1}{a} + \frac{1}{3} + \frac{1}{6} + \frac{1}{12} + \left(-\frac{1}{36}\right) + \left$