Lista 12

b) lim
$$\left(\frac{-4\kappa^3+3\kappa}{2\kappa^2-3\kappa-10}\right)=\lim_{\kappa\to-\infty}\left(\frac{-4\kappa^3}{2\kappa^2}\right)=\lim_{\kappa\to-\infty}\left(-2\kappa\right)=-2\left(-\infty\right)$$

c)
$$\lim_{K \to -\infty} \left(\frac{11 \times + 2}{2 \times 3 - 1} \right) = \lim_{K \to -\infty} \left(\frac{11 \times 2}{2 \times 3} \right) = \lim_{K \to -\infty} \left(\frac{11}{2 \times 2} \right) = \frac{11}{2 \cdot (-\infty)^2} = \frac{11}{\infty}$$

d) lim
$$\left(\frac{1-12\kappa^3}{4\kappa^2+12}\right) = \lim_{\kappa \to -\infty} \left(\frac{12\kappa^3}{4\kappa^2}\right) = \lim_{\kappa \to -\infty} \left(\frac{12\kappa}{4}\right) = \frac{12\kappa}{4} = 3\kappa = 3.(-\infty) = \frac{12\kappa}{4}$$

e)
$$\lim_{x \to +\infty} \left(\frac{\sqrt{x^2 + 2x^2 - 1}}{2x^2 - 1} \right) = \sqrt{\lim_{x \to +\infty} \frac{x^2 + 2x^2 - 1}{2x^2 - 1}} = \lim_{x \to +\infty} \frac{x^2}{2x^2} = \sqrt{\frac{x^2}{2}} = \frac{x^2}{\sqrt{2}} = \frac$$

$$\frac{2\pi}{12\pi} \left(\frac{2\pi}{\sqrt{2^{2}+2+1}} + \sqrt{2^{2}-2+1} \right) = \lim_{N \to \infty} \left(\frac{2\pi}{\sqrt{2^{2}+2+1}} + \frac{1}{\sqrt{2^{2}+2+1}} + \frac{$$

9) eim
$$\frac{2\pi + 5}{\sqrt{2\pi^2 - 5}} = \frac{2\pi + 5}{\sqrt{2\pi^2 - 5}} = \frac{2 + \frac{5}{2}}{\sqrt{2}} = \frac{2 + \frac{5}{2}}{\sqrt{2}} = \sqrt{2}$$

b) $\frac{2\pi}{2} = \frac{2\pi}{2} = \frac{2\pi}{2} = \frac{2\pi}{2} = \frac{2\pi}{2} = \sqrt{2}$

h) lim
$$\sqrt{1-\kappa^2} = \sqrt{\lim_{\kappa \to \infty} \frac{1-\kappa^2}{\kappa^2 + \kappa}} = \lim_{\kappa \to \infty} \frac{-\kappa^2}{\kappa^2 + \kappa} = \lim_{\kappa \to \infty} \frac{-\kappa^2}{\kappa^2}$$