

Juan Pablo Luduers Zakka b)  $\frac{1}{2}$  ecutiods en  $\beta = -3$ x+3+3 = -3+(x+3) = 3-(x+3)  $=\frac{1}{3}, \frac{1}{1-(\frac{x+3}{3})} = \frac{1}{3} = \frac{$ F(x) = F(x) + c (=> | x+5 | < 1 => F(X) = 0 (F(X)+c)  $F(x) = \frac{1}{\sqrt{2}} = \frac{2}{\sqrt{2}} \frac{1}{\sqrt{2}} \left( \frac{1}{\sqrt{3}} (x+3)^{n} \right) = \frac{2}{\sqrt{2}} \frac{1}{\sqrt{3}} (x+3)^{n-1}$ 10 (3200: 11m = 4 Por or letio de  $\frac{3^{n+2}}{n(x+3)^{n-1}} = \frac{1}{3^n} \frac{(n+1)(x+3)^n}{3^n} \frac{3^n}{3^n} \frac{3^n}{n(x+3)^n} \frac{3^n}{(x+3)^n} = \frac{1}{3^n} \frac{(n+1)}{3^n} \frac{3^n}{(x+3)^n}$  $= \frac{1}{3} \frac{(n+1)(x+3)}{3} = \frac{1}{3} \frac{(n+1)(x+3)}{3} = \frac{1}{3} \frac{\cancel{7} + \cancel{7}}{3} \frac{\cancel{7}}{3} = \frac{1}{3} \frac{\cancel{7} + \cancel{7}}{3} = \frac{\cancel{7} + \cancel{7}}{3} = \frac{1}{3} \frac{\cancel{7} + \cancel{7}}{3}$ obsit wa  $= \left| \frac{x+3}{3} \right| = x \quad \text{K< 1 Converge} = x \left| \frac{x+3}{3} \right| < 1 = x \quad |x+3| < 3$ 0 2000 de conv. = 3 => -G( x < 0 · · Intervolo de conv = x E (+6,0)