Dnitey Beresner $X_n = \int_n^3 d^2 x - n$ lim xn = lim 3 n3+2n2 - n= $= \lim_{n \to \infty} \frac{(3\sqrt{n^3+2n^2}-n)((3\sqrt{n^3+2n^2})^2+n3\sqrt{n^3+2n^2}+n^2)}{((3\sqrt{n^3+2n^2})^2+n3\sqrt{n^3+2n^2}+n^2)}$ $n^{2}((3)1+\frac{2}{n})^{2}+3(1+\frac{2}{n})=lim_{n\to\infty}$