I Parziale 22 Dicembre 2021

1)
$$\frac{3n+3}{n^2-3n}$$
 $\int |n| = e$
 $= |R| \cdot \{0,3\}$
 $= |$

$$\frac{3n+3}{n^2-3n}$$

$$\frac{3n+3}{n^2-3n} = 0$$

$$\frac{n-3}{n+3}$$

n-3-

$$f(x) = e$$

$$\frac{3x+3}{x^2-3n}$$

$$f(x) = e$$

$$\frac{3x+3}{x^2-3n}$$

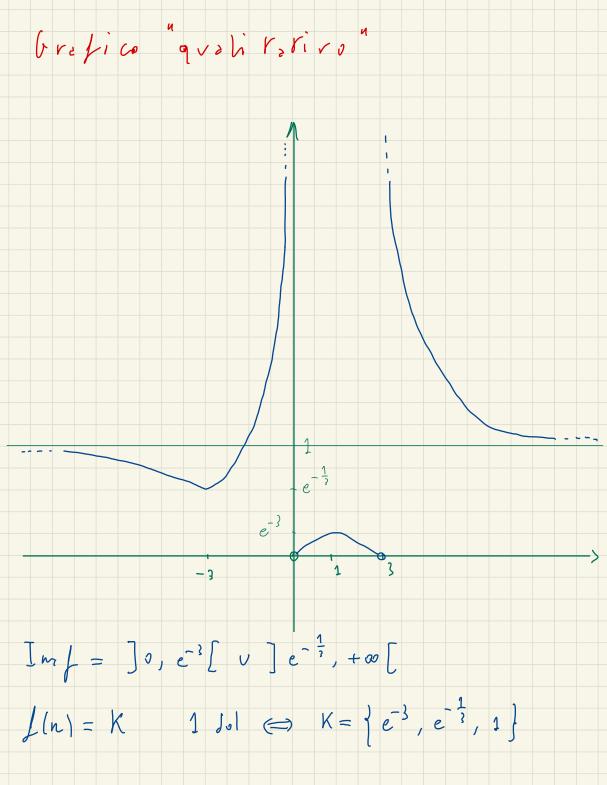
$$\frac{3x+3}{x^2-3n}$$

$$\frac{3x-3}{x^2-3n}$$

$$\frac{3x-3}{x^2-3n}$$

$$\frac{3x+3}{x^2-3n}$$

$$\frac{3x+3$$



brefico vero (a pro scopo oli ercmpio!)

$$= \left(n - \frac{n^{3}}{3} + o \left(n^{4}\right)\right) - \frac{1}{1}\left(n - \frac{n^{3}}{3} + o \left(n^{4}\right)\right)^{2} + \frac{1}{3}\left(n + o \left(n^{4}\right)\right)^{3} - \frac{1}{4}\left(n + o \left(n^{4}\right)\right)^{4} + o \left(n^{4}\right)$$

$$= n - \frac{n^{3}}{3} - \frac{1}{1}\left(n^{2} - \frac{1}{3}n^{4} + o \left(n^{4}\right)\right) + \frac{1}{3}\left(n^{3} + o \left(n^{4}\right)\right) - \frac{1}{4}\left(n^{4} + o \left(n^{4}\right)\right) + o \left(n^{4}\right)$$

$$= n - \frac{n^{3}}{3} - \frac{n}{1} + \frac{1}{3}n^{4} + \frac{1}{3}n^{5} - \frac{1}{4}n^{4} + o \left(n^{4}\right)$$

$$= n - \frac{n^{3}}{3} + \frac{n^{4}}{11} + \frac{1}{3}n^{4} + \frac{1}{3}n^{5} - \frac{1}{4}n^{4} + o \left(n^{4}\right)$$

$$\ln \left(1 + n^{2} \right) = n^{2} - \frac{n^{4}}{2} + o \left(n^{4} \right)$$

$$\frac{1}{1} \left(\frac{1}{1} + \frac{3}{3} + \frac{1}{1} + \frac{$$