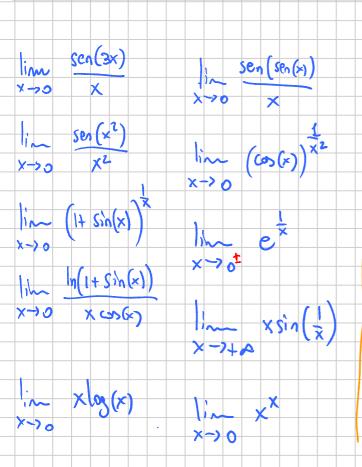
Titolo nota 08/11/2022



(8) 
$$\lim_{x \to +\infty} \frac{x^5 + 3x^2 + 3x + 1}{2x^2 - x}$$

(3) 
$$\lim_{n \to +\infty} \frac{3x^2 + 1}{x}$$
 (9)  $\lim_{x \to +\infty} \sqrt{x - 1} - \sqrt{x - 2}$ 

(4) 
$$\lim_{n \to +\infty} \frac{x}{3x^2 + 1}$$
 (10)  $\lim_{x \to +\infty} \log(2x) - \log(x - 1)$ 

(5) 
$$\lim_{x \to 0} \frac{\sqrt{1+x}-1}{x^2}$$
 (11)  $\lim_{x \to +\infty} e^{(2+x)} - e^{x}$ 

(6) 
$$\lim_{x \to -\infty} \frac{x^6 - 15x^3}{3x^2 - 2x + 1}$$
 (12)  $\lim_{x \to +\infty} e^{\left(\frac{x+7}{x-1}\right)}$ 

(7) 
$$\lim_{x \to +3} \frac{x^2 - x - 6}{x^2 - 9}$$
 (12)  $\lim_{x \to +\infty}$ 

(1) 
$$\lim_{x \to 1} \frac{1}{(x-1)^2}$$

(2) 
$$\lim_{x \to +\infty} \sqrt[3]{\arctan x} = \sqrt[3]{2}$$
(3)  $\lim_{x \to +\infty} x \cdot 2^x = +\infty$ 

(3) 
$$\lim_{x \to +\infty} \frac{x}{x} \frac{2^x}{x} = 1$$

$$(4) \lim_{x \to 0^{\frac{1}{2}}} \frac{3x+1}{x} = \frac{1}{6} = \frac{1}{6}$$

(5) 
$$\lim_{x\to 0} \frac{1}{1+x^2} = \frac{1}{1+x^2} = 1$$

(6) 
$$\lim_{x \to +\infty} \frac{1}{1+x^2} = \frac{1}{1+(+\infty)^2} = \frac{1}{1+\infty} = 0$$

$$(7) \lim_{x \to \frac{\pi}{2}} \frac{1}{\cos x} = \frac{1}{\cos \left(\frac{\pi}{2}\right)} = \frac{1}{0} = \frac{1}{2} =$$