$$1 \cdot 1 \le (os(\frac{TC}{x-2}) \le 1$$

$$\lim_{x\to 2} -1 \cdot (x-2)^2 \le \lim_{x\to 2} (x-2)^2 \cdot (os(\frac{\pi t}{x-1}) \le \lim_{x\to 2} 1 \cdot (x-2)^2$$

$$0 \leq \lim_{X \to 2} (x-2)^2 \cdot (os(\frac{10}{x-2}) \leq 0$$

$$\lim_{x\to 2} (x-2)^2 \cdot (os(\frac{7c}{x-2})) = 0$$

2
$$x^3 + y^3 = 6xy \Rightarrow \frac{d}{dx}(x^3 + y^3) = \frac{d}{dx}(6xy)$$

$$3x^2 + 3y^2 \frac{dy}{dx} = 6y + 6x \frac{dy}{dx}$$

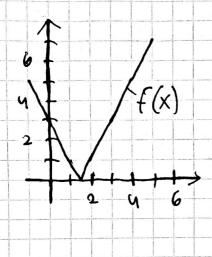
$$3y^2 \frac{dy}{dx} - 6x \frac{dy}{dx} = 6y - 3x^2$$

$$\frac{dy}{dx}(3y^2-6x) = 6y-3x^2 \qquad y = ax+b$$
3 = (-1).3+b

$$\frac{3y = 6y - 3x^{2}}{3x^{2} - 6x} \leftarrow (3, 3) \qquad 1 \quad 6 = 6$$

$$\frac{d \times 377 - 6X}{d \times 3 - 3 - 9} = -1$$

$$\begin{cases} (x) = |2x - 3| \Rightarrow 4'(x) = 2 \quad \frac{2x - 3}{|2x - 3|} = \frac{4x - 6}{|2x - 3|} \end{cases}$$



$$|y|-1 \leq 1$$
 in $\frac{1}{x} \leq 1$

$$\lim_{x\to 0} -\ln(1+\sqrt{|x|}) \leq \ln(1+\sqrt{|x|}) \cdot \sin(\frac{1}{x}) \leq \ln(1+\sqrt{|x|})$$

$$\lim_{x\to 0} \lim_{x\to 0} \lim_{x\to 0} \frac{\lim_{x\to 0}}{\ln(1+\sqrt{|x|})} = \frac{1}{\ln(1+\sqrt{|x|})}$$

$$0 \le \lim_{x \to 0} (\lambda(1+\sqrt{|x|}) \cdot \sin(\frac{1}{x}) \le 0$$

$$\lim_{x \to 0} (\Lambda(1+\sqrt{|x|}) \cdot \sin(\frac{1}{x}) = 0) \quad Q.E.D.$$