Note Title 28/10/2022

KAI 14.12.2017

PZ:
$$f(x) = \operatorname{arch}\left(\frac{1}{x+5}\right)$$
 UAJDC D(1) A J AK

EX19TOJE

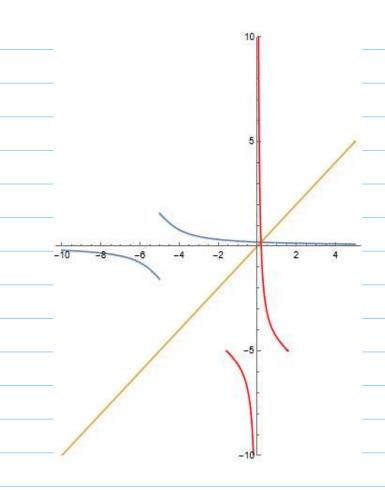
$$\lim_{x\to 20} \exp\left(\frac{1}{x+5}\right) = 0$$

$$j: x = arch \frac{1}{3+5}$$
 / to

$$t_{3} \times = \frac{1}{3+5} / (3+5)$$

$$(5-5)(5x)=1$$
 /: 45x

$$y+5=\frac{1}{\sqrt{x}}$$



$$\lim_{x\to 0} \left(\frac{\sin 5x}{x+2+2} + 4 \sin x \right) =$$

$$= \lim_{x\to 0} \left(\frac{\sin 5x}{x+2+2} + 4 \cos x \right) = \lim_{x\to 0} \left(\frac{\sin 5x}{x+2+2} + 1 \right) = \lim_{x\to 0} \left(\frac{\sin$$

$$\lim_{x\to 0} \left(\frac{\sin 5x}{x+2-2} + 4^{\sin x} \right) =$$

$$\lim_{x\to 0} \frac{\sin 5x}{x+2-2} + \lim_{x\to 0} \frac{\sin x}{4} = \frac{0}{\sqrt{z-2}} + 1 = 1$$

3) a)
$$f(x) = 5e^{-x^2 \times 2 \cdot mx} \cdot cos \times$$

$$f' = 5 \cdot e^{-x^2 \times 2 \cdot mx} \cdot cos \times$$

b) $f(x) = (2x)^{-x^2 \times 2} \cdot (2x)^{-x^$

