-iven , 1= 24 in2 The xy = 24 (Tind: paper? 7: (9+2) (x+3) (2) C -> y: 24 3 @ A: (24+2) (x+3) = 24 + 73 +28+6 ta) = 2x + 72 + 30 1 = 2 - 72 = 0 72 = 2 => x= 36 (N: X=61 x=6 -> 3 -> 7=4 [lumension: X+3=9 y+2=6

9x6 in

1 9 15 % 4=1 /1-121 1 - 1 + 2 " 7 7 J' 1+2" 1-71/19-21-5-27 1 = 1 19 - 31 - 69, = 6 · y = 21 - 2 = C . 3:1,-7 16, = 1 9+27-1-2 - 322 viit²

$$\frac{1}{2} = 0, \quad \frac{1}{2} = 0, \quad \frac{1$$

$$\frac{1 - \cos x}{3 \times 3} = \frac{3}{0}$$

$$\frac{1 - \cos x}{3 \times 3} = \frac{3}{0}$$

$$= \frac{\sin x}{5 \times 50} = \frac{3}{0}$$

$$= \frac{\sin x}{5 \times 50} = \frac{3}{0}$$

$$= \frac{\cos x}{5 \times 50} = \frac{3}{0}$$

$$= \frac{3}{0}$$

$$=$$

$$\lim_{X \to 0} \frac{1 - \cos x}{x + x^2} = \frac{0}{0}$$

$$= \lim_{X \to 0} \frac{\sin x}{1 + 2x}$$

$$= \frac{0}{1}$$

$$= 0$$

$$\lim_{x\to 0} \frac{\sin x}{x^2} = \frac{0}{0}$$

$$= \lim_{x\to 0} \frac{\cos x}{2x}$$

$$= \frac{1}{0}$$

$$= \infty$$

$$\lim_{X \to \frac{\pi}{2}} \frac{\sec x}{1 + \tan x} = \frac{\infty}{\infty}$$

$$= \lim_{X \to \frac{\pi}{2}} \frac{\sec x}{\sec x}$$

$$= \lim_{X \to \frac{\pi}{2}} \frac{\tan x}{\sec x} = \lim_{X \to \frac{\pi}{2}} \frac{\cos x}{\cot x}$$

$$= \lim_{X \to \frac{\pi}{2}} \frac{\sin x}{\cot x}$$

$$= \lim_{X \to \frac{\pi}{2}} \frac{\sin x}{\cot x}$$

$$= \lim_{X \to \infty} \frac{1}{x}$$

5.00 ?

$$\lim_{X\to\infty} (X \leq m \frac{1}{X}) = 20.0$$

$$\lim_{X\to\infty} \frac{\sin(1/X)}{x}$$

$$\lim_{X\to\infty} \frac{\sin(1/X)}{x}$$

$$\lim_{X\to\infty} \frac{\sinh(1/X)}{h}$$

$$\lim_{X\to\infty} \frac{1}{h}$$

lim Vx1 lux = 0. (-0)

$$= \lim_{X \to 0^+} \frac{\ln x}{\sqrt{x}} = \frac{\infty}{2}$$

$$= \lim_{X \to 0^+} \frac{1}{\sqrt{x}} = \frac{\infty}{2}$$

$$= \lim_{X \to 0^+} \frac{1}{2x^{3/2}}$$

$$= \lim_{X \to 0^+} \frac{2x^{3/2}}{x}$$

$$= \lim_{X \to 0^+} \frac{2x^{3/2}}{x}$$

$$= 2 \lim_{X \to 0^+} x^{3/2}$$

= 01

$$\begin{cases}
\cos x - 30
\end{cases} = x - 30$$

$$= \lim_{x \to 0} \frac{x - \sin x}{x \sin x} = \frac{0}{0}$$

$$-\lim_{x \to 0} \frac{1 - \cos x}{5 \sin x + x \cos x} = \frac{0}{0}$$

$$= \lim_{x \to 0} \frac{\sin x}{\cos x + \cos x - x \sin x}$$

$$= \frac{0}{2}$$

$$= 0$$

$$\lim_{x \to 0} \lim_{x \to 0} \lim_{x \to 0} \frac{1 - \cos x}{\cos x + \cos x - x \sin x}$$

$$= \frac{0}{2}$$

$$= 0$$

$$\lim_{x \to 0} \lim_{x \to 0} \lim_{x \to 0} \frac{1 - \cos x}{\cos x + \cos x - x \sin x}$$

$$= \frac{0}{2}$$

$$\lim_{x \to 0} \lim_{x \to 0} \frac{1 - \cos x}{\cos x + \cos x - x \sin x}$$

$$= \frac{0}{2}$$

$$\lim_{x \to 0} \lim_{x \to 0} \frac{1 - \cos x}{\cos x + \cos x - x \sin x}$$

$$= \frac{0}{2}$$

$$\lim_{x \to 0} \lim_{x \to 0} \frac{1 - \cos x}{\cos x + \cos x} = \frac{0}{0}$$

$$\lim_{x \to 0} |x| = 0$$

$$\lim_{x \to$$

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

lum (1+x) = e==e=

$$\lim_{X \to \infty} x^{1/4} = \infty^{0}$$

$$\lim_{X \to \infty} \ln x^{1/4} = \lim_{X \to \infty} \frac{\ln x}{x} = \frac{\infty}{20}$$

$$\lim_{X \to \infty} x^{1/4} = \lim_{X \to \infty} \frac{1}{1}$$

$$\lim_{X \to \infty} x^{1/4} = \lim_{X \to \infty} x^{1/4} = \lim_{X \to \infty} x^{1/4} = \lim_{X \to \infty} \frac{\ln (x+\alpha)}{x} = \lim_{X \to \infty} \frac{\ln ($$

11-116, (im (e5x x) /x = 100 lim la (e5xx) = lim la (e5xx) = 0 = lim = 50 +1 1 = lim 5 e x + 1 (cm (e5x) x = e61 # 112 - lim la (tand) = la (s) = lim cood la (tano) - lum lu (tano) secol = 20

$$= \lim_{x \to \infty} \frac{e^{x}}{-\frac{1}{x^{2}}e^{x}}$$

$$= \lim_{x \to \infty} \frac{e^{x}}{-\sin x}$$

$$= \lim_{x \to \infty} \frac{e^{x}}{\cos x}$$

$$= \frac{1}{x^{2}}$$

$$= \lim_{x \to \infty} \frac{e^{x}}{\cos x}$$

$$f(x) = \frac{1}{2\pi} \Big|_{x=1} = \frac{1}{2} \Big|_{x=1} = \frac{1$$