Erich Vasquez Murillo	-0 B98334	txomen I
1d) lim 3/4x - 2		
X-2 X2 -4		
4.0		_
//Evalcor		
f(z) = 34.2 - Z =	Ο .	·
R2-4	0	
115-	1 1 1 / 02	+ a6 + b2) = q3 + 63
//Factorizor	60-6/64	706701-476
lim (3/4x - 2), (3/4x)2+	3/4x · 2+ 22	i sai i
X-72 X2 - 41 - (3)9x1)2+	3/9/1-7 + 22	
lim (34x) 3-23		
X-72 X2-4. (Jax)2	+ 3 4x · 2 + 4	
		· · · · · · · · · · · · · · · · · · ·
$\lim_{x\to 2} \frac{4x-8}{(x+2)(x-2)}$	1x 12 + 3/9x · 2 + 4	11 D. Coadrado
(+2) (x + 2) (x -2) (V		// Factor común
1im 4(X-2) X-DZ (X+2)(X-2) (3)4,	712 13/4/102 14	// Factor Commy
X-07 (X+2)(X=2) (V4)	() 7 0 7 2 7 1	314 XV - X
lim 4	Y = U	
X-DZ (X+2) · (3/9x)2+3/	4x - 2 + 4	
//Evoluor		111.1.1.2
F(2)	(150	6
(2+2)-(3/4-2)2+	2.14.27 +4	9
1i 200 3/5/x - 2 =		
1 im V=x - 2 = x - 2 = 4	6	
	<u> </u>	

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1K) im (\49x2-5x+2-1-7x x-2+00 //Evaluer = har ger racionalizor $\sqrt{49x^2-5x+7}$ -1 - 7x - $\sqrt{49x^2-5x+7}$ +1 + 7x x-200 (1/49x2-5x+21)2-1-(7x)2= X-700 $\frac{49x^2 - 5x + 2}{\sqrt{99x^2 - 5x + 2} + 1 + 4 + 7x}$ lim X DO X (49-5/x² +2/x² - 1/x² - 49) X (49-5/x+2/x² + 1/x² + 7/x 1200 lim X-700 $f(x) = \frac{2 - \sqrt{10 - x}}{x^2 - 11x + 18}$ 1/ Los posibles puntos estan en el denominador X2-11X+18 -> Calculadora V1 = 9 X2 = 2 f(x) es continua en R-89,23 // Clasificar les puntos lim 2- 10-x 1/ Punto 9 x= 11x + 18 x-00 f(9) = 2 - 3/10 - 9 $9^2 - 11.9 + 18$

11 Evaluar $f(2) = (2-9) \cdot |4 + 2\sqrt{10-2} + (\sqrt[3]{10-2})^{2}$ $= -84 \quad \text{RI} = -2 \cdot \cos \frac{1}{2} \cos \frac{1}{2} \cos \frac{1}{2}$ RI= Es continuo Evitable. fcx) = 2x2 -(xith) - fex) lim $2(x+h)^2 - 5 - 2x^2 + 5$ 2x2+4hx+2h2-5 - 2x2+5 11 factor común (4x+2h-1) 4 x +2h lim h-00 litualcar-= 4 X - 1 = 4.8 +2.0-1 im f'(x) = 4x-1

In
$$(y) = \ln (e^{x})$$

$$\ln (y) = \ln (e^{x}) - \ln (x^{2})$$

$$y' = e^{x} - 2x \cdot y'$$

$$e^{x} - 2x \cdot y'$$

$$f'(x) = -f(x) \cdot \ln (x)$$

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

$$e^{x} \cdot x^{2}$$

$$e^{x} \cdot x^{2}$$

$$e^{x} \cdot x^{2}$$

$$e^{x} \cdot x^{2}$$

$$e^{x} \cdot y^{2} - e^{x} \cdot 2x$$

$$e^{x} \cdot x^{2}$$

$$e^{x} \cdot y^{2} - e^{x} \cdot \ln (x)$$

$$x^{2}$$

Entonics =
$$e^{x} - 2x \cdot y' = -e^{x} \cdot \ln (x)$$

$$e^{x} \cdot x^{2}$$