Universidad Mariano Gálvez de Guatemala

Ingeniería en Sistemas de Información y Ciencias de la Computación Ing. Fernando Cordón



Calculo #1

Tema: Tareas de calculo

Estudiante:

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2290-24-14588

Rayla Mariela Palax Tug 2990-24-14588 TAREA SEMANA 2, - 2.3 Ejaniaos 1. 1im x2-6x 15 = X-25 x-5 R114 (x-5)(x-1) = lin (x-7) -2. lin x2-5x +6 x+5 x-5 -00 MI 00 (54) +5(5) 46 - 25-2546 3. lim 12-9 = (-3)2-9 = 9-9 = 0 = = 0 = = 0 12-9-C6-30(+13) = 2+2+7+6+3=2+2+2+6(+6+3=266+3)+76+3)= (2641) (413) = (6-3)(413) + -3-3 (2617) (613) + 26-3)41 4. lin x+2 X= -2 X318 -212 = 0 = 0 G133 188 5. Mm x2 -4x x+4 x2-3x-4 X2-14-1x(x-4) 42-464) + 16-16 x2-15x-4=(x-4)(x+1) 4 2-3040+4 76-12-4 x(x-4) Fx+4)(x+1)

Karla Mariela Palan Tug 2290-24-74588 TAREA DE LA SEMANA 3 - COP 2.5 ; ENCURINCE EL limite 1. lim 2-x = x+1 (x+1)2 次奏手号船号111110 2. lim x3 +5x = かくなりませい= コナウーラ リーラ 3. 1 im x+2 = 一条第二十日二十十十 313 4 lim X2-2x x+2 x2-4x+4 + 3-2 + Was 2 42 44 5. lim 3x 15 = 3/5 = 3 10 = 7 = 3 H/3

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Karla Mariela Palax Tuy 2290-24-14588 TAREA SEMANA 4 - Porveda 7. FGD = 786.5 = 0 ×110 2 FCX) = x3-4x+6=-X XC3D-4X+0 3x2-4x 10 8/1 FGX) = 3x2-4 3. F(E) = 1 (t4 +8)= F(1) =7 (4+3+0) =+3 P11 F(x) -63 4. 7=3ex+4== 4'= 630x) (x'/2) - (be) +4) (3x -2/2) CX1/3) = 72/3 PUY'= 3ex x X1/3-7 (3ex+4)x-2/3 $5.f(x) = x^2 - 3x + i =$ 00)=9 (21) d (3x)+d (1) P(x) = 2x-3+0 11 F(X) = 2X-3

Karla Mariela Balax Tuy 2290-24-14588 Tarca Semana S 3. FCx)=(x3+2x)ex = F'65=(3) 21 2) ex 1 (x3 1 2x) ex F'(Y) = ex [(=x = 42) + (x3+2x)] F(x) = ex(x3+3x4+2x+2) \$11 F'(x) = ex(x)+3x2+2x+2) 3 (3) 3 3 3 3 3 4'=ex(1+x)-ex(1) = ex[(1+x)-1] (3) C+4x)2 (1+x)2 (3) y'= exx y= xex x11 y'=xex C1+x22 1 TO S 13 4 9(x)-3x-1 9(x) = (3)(2x+1) - (3x+1)(2) - 3(x) - 6x+3-(6x-2) 9(x) = 6x+3-6x+2 - 9(x) = 5 $(2x+1)^{2}$ $(2x+1)^{2}$ $(2x+1)^{2}$ (2x+1)2 5, f(t) = 2t = P(t) = (2)C4+3 -2+)(2t) (4+13) = 2(4+1) (4)=812+2-4+1 = FOD = 8-2+ - FOD = 24+6)

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