## **EXAMEN DE CÁLCULO.**

Alumna: Ingrid Anzueto.

Fecha/Date:

1. 
$$Y = \frac{1}{2} \times \frac{3}{3}$$

(3x+q)

Formula:

(3x+q)^2 \, \left(\frac{3}{3}\) \, \left(\frac{3x+q}{3x+q}\right)^2 \, \left(\frac{3x+q}{3}\) \, \left(\frac{3x+q}{3x+q}\right)^2 \, \left(\frac{3x+q}

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Fecha / Date :

3: Y=Sen 2x2. Cos, 2x2

Formus:

d (U.V) = Udv + Vdv

dx = (Sen 2x2) (-4x Sen 2x2) + (cos 2x2) (4x cos 2x2)

=  $-4x 80^{2}(2x^{2}) + 4x \cos^{2} 2x^{2}$ =  $4x \cos^{2}(2x^{2}) - 4x 8 \sin^{2}(2x^{2})$ 

1- Y = x+2 tonx

Formula:
d (U) = UdV - VdU
dx (V) = VdV - VdU

= (+onx)(4)-(x+2)(3-c2x)
(+onx)2

= tanx-Sec2x (x+z)



Fecha / Date:

5.- Y=Son (2-bx)
Famus:
dx(Son U)=(000 odu)  $= \frac{d}{dx} = -b\cos(a-bx)$ 

6.  $V = Sec_{\frac{2x^2}{(x^2+4)}} = Fomologia = \frac{1}{4x} = \frac{1}{4x}$ 

= 4x(x2+4) Sec(2x2) +an(2x)2-2x3cc(2x)2 (x2+4)2

