Asignatura: Cálculo Diferencial CAD941

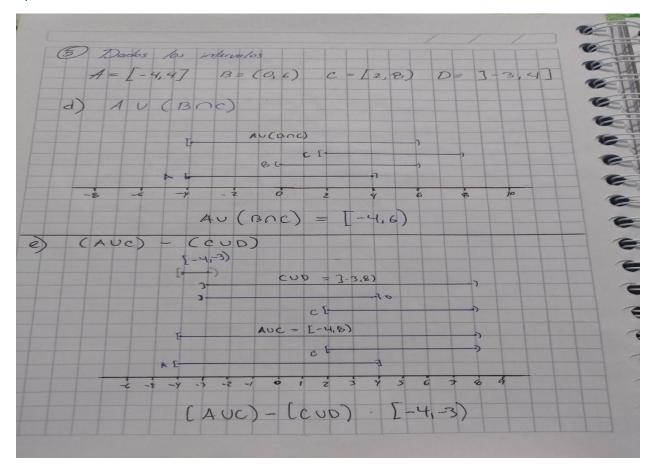
Docente: Gerver Alonso Castro Morales

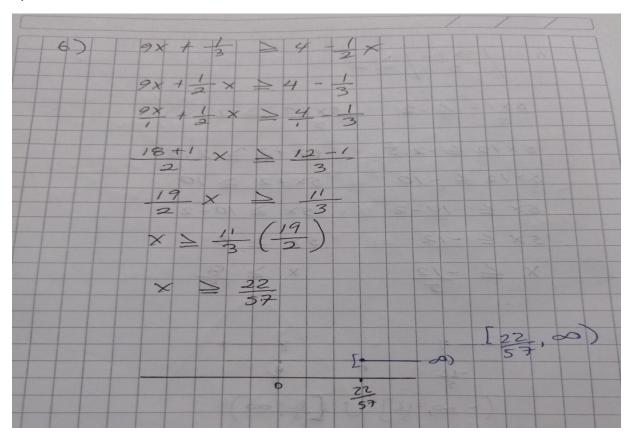
Integrantes

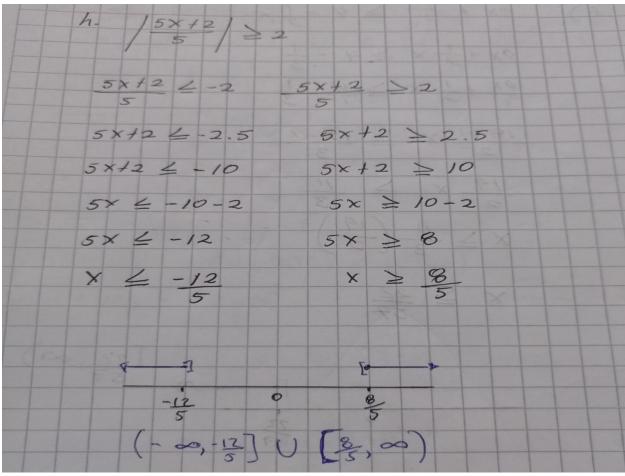
- 1) Abdías de Jesús Martínez Hernández MH240120
- 2) Carlos Mauricio Medrano Ortega MO241705
- 3)Cesar Caleb Martinez Machado MM213127

Actividad: Guia #1

Apartado 5

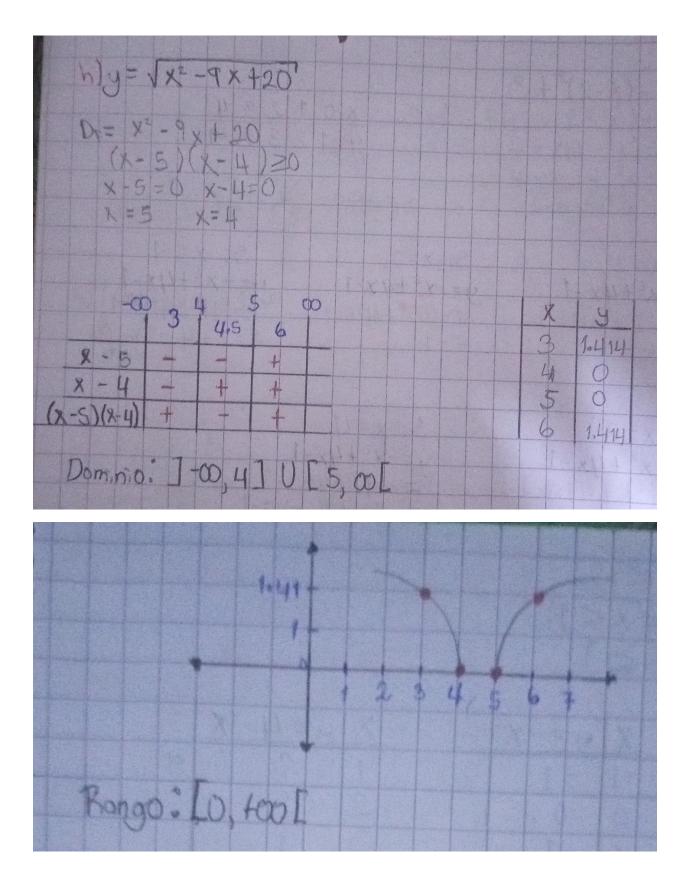




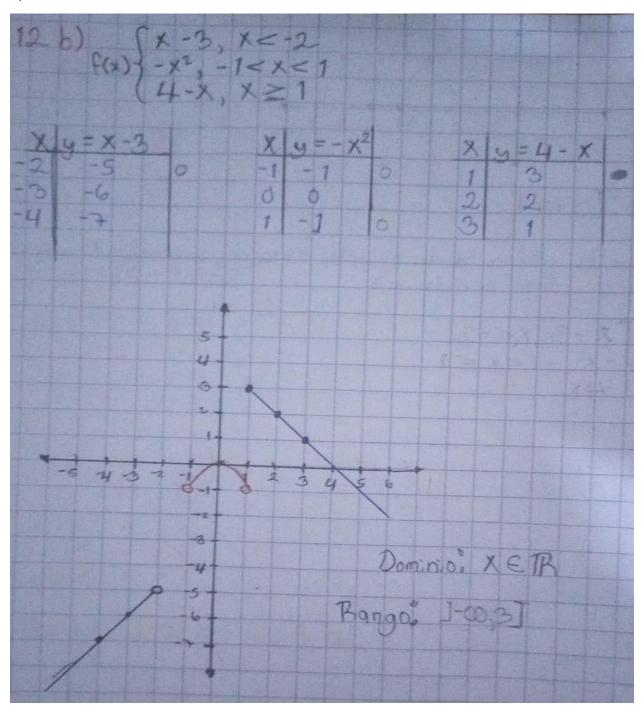


Apartado 11

		da punción, indicando Vertice (2,3	
y =	- (x-2)2+3		
	- X	X-2=0 X=2	
X Y 0-1	$y = -(0-2)^2 + 3$	$y = -(2-2)^2 +$	3
12	y(0) = - (2)2+3		
23	y(0)=-4+3	y=-(2-2)2+	3
4-1		y = 3	
	y(0)=-1		
	7	Dom = k	2
	3	Donot = (-	-00,3]
	2		
	1		
		, 3 /4 5	×
-3	-2 -1	2 3 4 5	



Apartado 12



13.
$$f(x) = \frac{1}{x+1} g(x) = \frac{x}{x+1}$$

$$f+g = \frac{1}{x+1} + \frac{x}{x+1} = \frac{1+x}{x+1} = \frac{D_{f}}{x+2} R_{f} = R$$

$$f-g = \frac{1}{x+1} - \frac{x}{x+1} = \frac{1-x}{x+1} = D_{f} = R - \{-1\}$$

$$f-g = \frac{1}{x+1} \cdot \frac{x}{x+1} = \frac{1-x}{x+1} = D_{f} = R - \{-1\}$$

$$f-g = \frac{1}{x+1} \cdot \frac{x}{x+1} = \frac{x}{(x+1)^{2}} = D_{f} = R - \{-1\}$$

$$f-g = \frac{1}{x+1} \cdot \frac{x}{x+1} = \frac{x}{(x+1)^{2}} = D_{f} = R - \{-1\}$$

$$f-g = \frac{1}{x+1} \cdot \frac{x}{x+1} = \frac{1}{x+1} =$$

demostrar que fy g son funciones inversas entre
$f(x) = \frac{1}{x-1}, x \neq 1, g(x) = \frac{1}{x} + 1, x \neq 0$
F(g(x))= 1 = 1 = 1 = 1 = X = 1 X (+1)-1 = +1-1 = -1 = X = 1 X
(g-F)(x)=g(F(x))
9(5(x))= 1 +1= +1= x2++== x (x-1) +1= +1= x2++== x
R= Los dos fonciones son invecsos entre sí