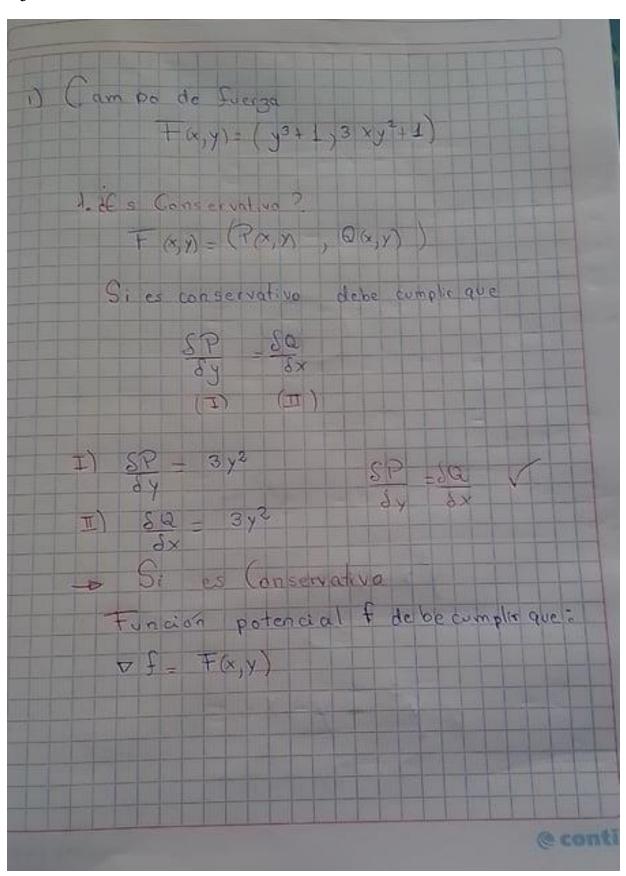
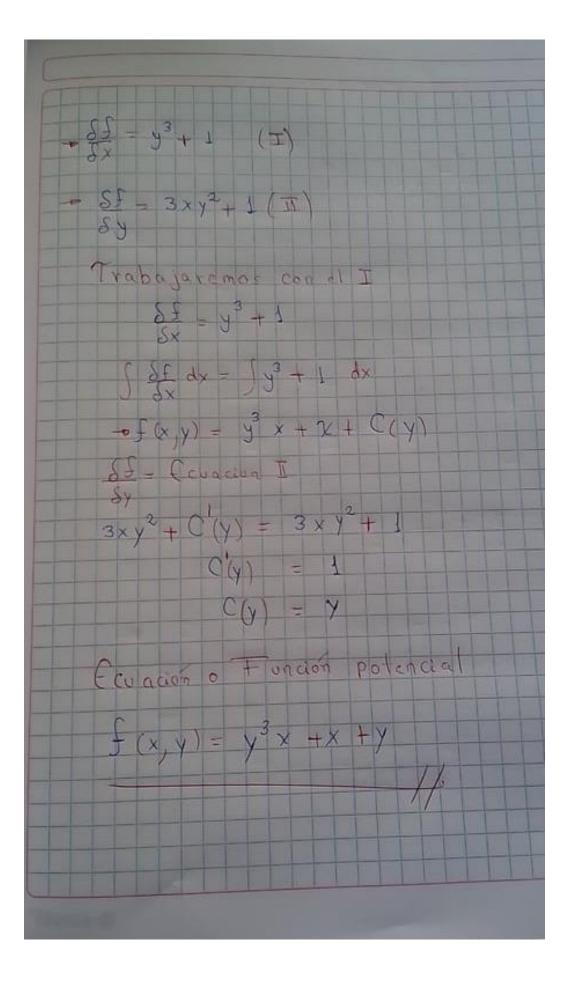
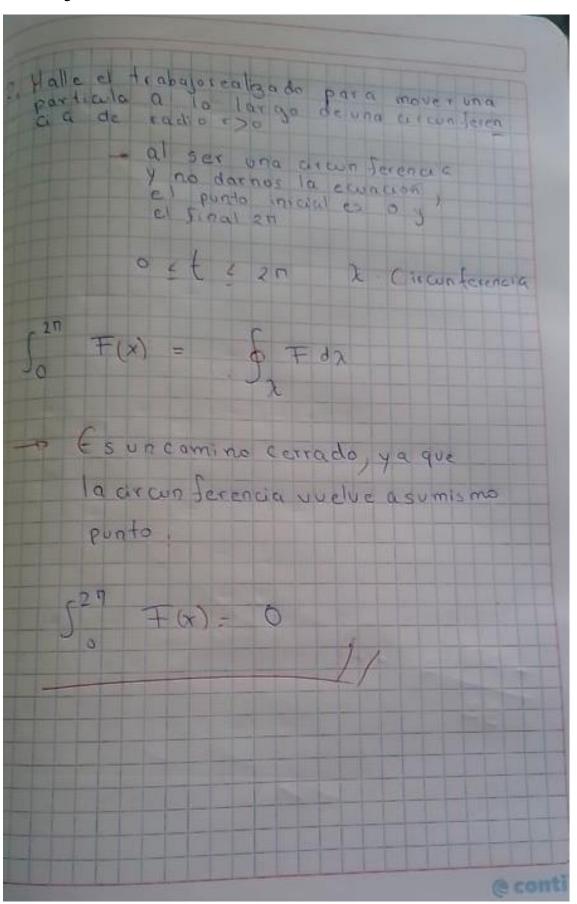
## Ejericios 1





Ejercicio 2



## Ejercicio 3

```
3 Halle el Trabajo realizado para mover
una particula desde el punto (00) al (20)
a la largo de la semicion ferenció (x-1)
      + y2= 1 con y >0
              (x - 1)2 + y2 -
                x -1 = 1 cost
                y = sent
                x = cost + 1
y = sent
     ~ 2 (t) - (cost +1, sent)
   ~ 2'(t) = (-sent, cost)
      F (2(t)) = + clost+1, sent
    7 (cost + 1) sent) = (sent + 1) 3 (astra) (sent) + 1)
F(cost+1, sent) = (sent+1 (3cost+3) (sent) + 1
F(cost+1) sext)= (sent+1, 3 sent tost + 3 sent+1)
W= ( F (costr) sent). (2'(t)) dt
```

(-sent) cost) dt 1 (sent +1) (- sent) + (3 sent tost +3 cent +1) ( wot) at 150 - Sent + 3 sent tost + 3 sent tost + cost + cost de sent - sent + cost + 3 sent tost + 3 sent tost alt 0= [8 sen(2t) - sen(4t) - 12t + cost + sent + (12t-3 sen(4t)) + sen (t) 32 8 sen(211) - Sen (11) - 1217 + Los n + sen 17 + 12 17 - 3 sente + sen (TI)] - [8 sen(0) - sen(0) + cos(0) + sen(0) + -35 cm (6) + 5 cm (6) = 1-2