$$(3, 9)$$

 (x, y) , $x = 2.97$, $x = 3.001$, $x = 3+h$

$$y = (3+h)^2$$

$$y = (3+h)(3+h)$$
 $q + 3h + 3h + h^2$

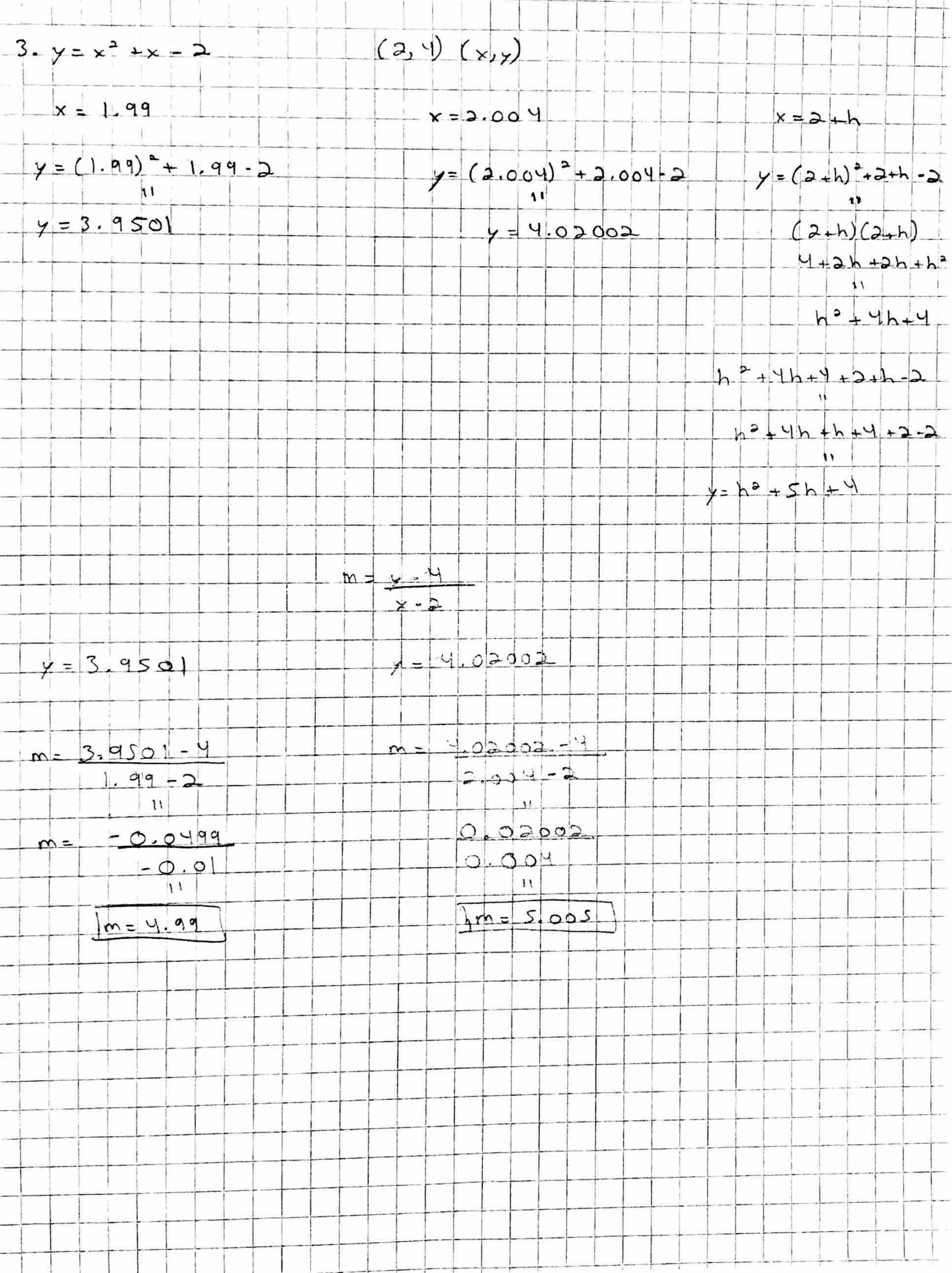
$$m = 8.8209 - 9$$

$$2.97 - 3$$

$$m = 9.006 - 9$$

$$m = \frac{h^2 + 6h + 9 - 9}{3 + h - 3}$$

when h is very small, m gets closer to 6.



```
3 (con+)
  y = h = + 5h + 4
   m= h= +Sh +4 -4
         h=+5h
                            h = 0.001
                        m= 5+0.001
                         m=5.001
                       When h is very small
                           mi gets closer to S
5a. 1/2 = f(b) - +(a)
                       [9am, 10m] a=9, b=1
                               -+(!)=80, +(9)=60.25
  1 b-a
                                   +(b)
          20-60.25
           IPM- 9am
             19,75
              Thours
```

