Kerby Lovince

```
I) questão 1
                              (+17)= 1 m + (7+2x)-+(5)
  flow) = 4-43; (1-3), ((a), ((d)
  H(3) = lan = f(-3+Ax)-f(-5)
 1(-3)=-5
 f(-3+0W)=4-(-3+0W)
        =4-1(9-30x-30x(0x))
    =-5+6 DW-(DX)+
                               P(2) = DN(-7-DN)
Lim = -3+60x-conpt +5
 rim = 60x - 10x)
 Lin = Dil (6 - Dil)
                              i) g(L)=== , 8'(2),8(2),8(3)
 ru-8-00
                              8'(-1) = 8(-1+0+)-3(-1)
 /H-3) = 6
                              g(-1+ st) = 1 (-1+ot)
1101=4-00 =4
HO+0N=4-1(0+0N)2
       =4-2(0+084+004+02)
                              $(-1)= 1-20++(0+)2-1
HOTON = 4-104
HO) = Lem=4-10x12-4
                              8(-1) = 1-1-2 ot +(0t)2
HO = lim (or)2 - on orland
                                     2-20++10+13
un =0
                                     Dt | -2+0t|+1
```

$$\frac{3}{5(-3)} = \frac{-3}{-3+06+2}$$

$$\frac{5(-3)}{5(-3)} = \frac{1}{6+06}$$

$$\frac{3}{5(-3)} = \frac{1}{6+06}$$

$$\frac{3}{5(-3)} = \frac{1}{6+06+06}$$

$$\frac{3}{5(-3)} = \frac{1}{6+06}$$

$$\frac{3}{5(-3$$

questão 1 1m=0x(xx+xx-9)-9x1 fun = x+ 9, x=-3 f1-3)=-3+(3)=-6 M= Ax(M+AN-9)-9x1. 1 M11 PX P=(-3,-6) W=-8xT+Dx-d b(xx) = xx+9 W= Fre = - 8-17-6 B(x1+0x) = (x+0x) + 9 x+0x Pt(NA+DN)=(NA+DN)+9 M=-8(-3)-9 Huiton) = xist xiontxionted mt=24-9=15 XXX DX mt=-5 = x++++10x+10x+10x+19 NITTON a equação y,-40=m(x2-x0) - x = + 2 = (x a) + 10 x) = - 11 - 9 - XI 5+6=-5/x+3) XI+DX MA 91+6=-5x-15 m=x++2n1bn+bn/2n+-npn-9 5x+y+21 =0 (12+02)(2) tangente M= XI + Dx +(Dx)2 9 WA+ DW DNL m=xx(nx+ox+(0x)+)-9(xx+ox) (x1+px)(x1) A-X W= NT+ON+(DN)= dNT-dDy (xx+ox)(xx) DN

3

questão 3

es despocemento [0,4]

to a velocidade instantanea em t=1

t'wen t=1

t'(w) em t=2

t'(x) em t=3

ficus em t=4

c) o occleração instantanea

$$03 = \frac{64}{6t} = \frac{9}{3} = -3 \text{ m/s}^2$$

$$\delta t = \frac{\delta v}{\Delta t} = \frac{\delta 4}{4} = -\delta m \delta^2$$

questão y: V'= 3 Hw=10(3x3+2x-3)20 8=1/2-(3+12)-1/2 3 (+-2)3 P. (x) = f(x) - 8, (x) + 4, (x) - 8(x) =70(ex+5-0),0+0+(3x3+5x-2),0 +(m)=40212- 2124724.V = 60x+7)10+0 = (60-4)10+210 (7'1v=0+322+62 (n124+12 HU=(7++01) (3+-1)+ FILM = 2x+6x ensures. H'(x)= f(x) - g(x) + f(x) - g(x) Hu= cos (1/2-4) = (7+2+6+)2 (3+-1)4 +(u)= Sen(1)2-1).(-1) = (7+2+64)+(3-0)+(11+6)5.(34-2)+ +1(4) = 5en(11) = -4) = (2 1 t2) 1 (136)"+(426)"-(14)"+(186)"-(6)" HW= Sen 1322+6W) = 12162)"+(646)22-(6)" (+1005(son 1322+600)3 HIN = 31 sen(3x2+6x12= 41 HW3 (3x2+6x-2)2 U= Jen 13 2+64) = (3x3+6x-9) 343 41= co(3x2+6x) . v' H(x)= 213-(3x2+6x-2)73-1. (6x+6) V=6x+6 = 93.13x2+6x-21-43.(0x+2) 1 = cos (322+6x).6x+6 How= 18x(sen(3x2+6x3.00)(3x2+6x 13x2+6x-2)"13 questão 5 tun) = en cos su flos HO= e cos 320 HO) = 1.00(0) H(b) = (3+12) 1/2 HO = 0 y=n.ux-1.u1 = 2.(t-1)-(2+11)-1 V = 2t -2-2t-1 5

quastão 7

a) t=0

5=0+104+0

5- 204 m/h

b) t= 5

かこのからからさ

6=0+104+003+5

£(6)=10000+1000000

t(5) = 10 10 600 m/h

b) t= 30

0+10++03t

t'(10) = 0+104+8003×10

= 10000 + 200000

6, (10) = 800 TO 000 W/W