

```
= - 15.6727
                                                                    1(X6)=-1
                          (x1) = -20.61385
                                                                     =-3.14159
                                                    x_1 = 9.82328
                                                   \chi_2 = \chi_1 - \chi_1
                                                  \int_{0}^{1} (x_{1}) = -0.06618
\frac{1}{(c) = 4e^{-2t} + e^{-0.1t}}
                                               N2 = 2.79860
                                                       13=2.79838
   1 (t) = -8e-2t-0.1e-0.1+ 1 t3 = t2-6(+2)
                             t3= 2.12342
                                                           f(xn) = Nx-1
                               1(+3) = 0.36593
    6(0) = 5-0+=42
    t_2 = t_1 - (t_1)
     (t1)=1,76272
1(t1)=-2.72812
                                                           x- 0.03226
                              ts=6.466074
                            b(ts)=0.02383
b(ts)=-0.05240
                             te= 6.90574
    5) I = De Sin(ant) -10 (-e sinut
                                      +2R+ CONZAT)
      ar 2A, 2 = 10 e + 8in(2xt)
       (t) = 2 - 10 e t sin (2 xt)=0
```

```
1 (6) = 10 e sin (n+) -20xe + w)(2x+)
                                  let to=0
                                                                                                                                                                                            0.06415
                                        1(0) = - 62.83
                                                                                                                                                                     http = 0.00015 1-9340
                     t1 = 0.03183
                                                                                                                                                                           = 6-03314 0.09701
                            f(t_1) = 1.9662
f'(t_1) = -60.8292
                        6) f(x) = x^2 - \ln(x) - 12) = 0
                 (3)=-4.09861 (-ve)
                          \chi = \chi_0 - \sqrt{(\chi_0)}
                                                                                                                                                                                                 \frac{\chi_2 = \chi_2 - \rho(\chi_2)}{+ \rho(\chi_1)}
                                n, =3.72328
1) y'= ysinx + cosx
        y'= ysinx+ywox-sinx

y"=-y'x-+y
         y''' = y'' \sin x + 2y' \cos x - y \sin x - \cos x
y''' = y'' \sin x + 2y'' \cos x + 2y'(-\sin x)
-y' \sin x - y' \cos x + \sin x
y'' = 0
y'' = 0
y'' = 0
y'' = -1/4
y'' = 1
y'' = 0
y'' = 0
y'' = -1/4
y'' = 1
y'' = 0
y' = 0
y'' = 0
y'' = 0
y'' = 0
y'' = 0
y''
```

$$y = 1 \qquad y = 3 + (x-2)(0) + (x-2)^{2}x + (x$$

K= [K,'+ 2k1 + 2k3+ K4]

 $\Rightarrow k_1 = h f(x_0, y_0) = 0$

K= hf (x0+h, y0+k1) = 0.00525

