



3- Secant method Xo = TT X1 = 7 f(x) = Sin(x) - X X0= T X1= T  $x_{n+1} = x_n - \frac{f(x_n) \cdot (x_n - x_{n-1})}{f(x_n) - f(x_n - x_{n-1})}$ X2== - (SIN = - =) - (= - T) (Sint - T) - (SinT - TI) (= 1.22) ×3. 1. 27 - (1.22). (1.22- - 1) F(1.22) - F(I) = 0.88 X420.88 - f(0.88). (0.88-1.22) f(0.88)-f(1.22) = 0.66 9 (0.66). (0.60-0.88) X5 2 0.66 f(0-66) - f(0.88) ( = 0.49 f (0.49). (0.49-0.66) X6 = 0-49f (0.49) - f (0.66) =0.37