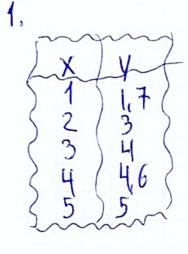


Nombre: Lorge Enrique Tapian Bourgan Voo142402

Deraviollo porcial #4



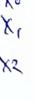






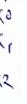
6:
$$\begin{cases} 1 & 1.4 \\ x_0 & 3 & 1.5 \\ x_1 & 5 & 1.8 \\ x_2 & 7 & 1.9 \\ q & 2.7 \end{cases}$$
 Li(x) = $\begin{cases} n & x - xj \\ x_1 - xj & 1.9 \\ q & 2.7 \end{cases}$















6 rodo 1 y 2

3 Interpolación de lagrana

Extimación del valor: 45 4,75

17 J

 $U(x) = \frac{x_0 - x_1}{x - x_0} E(x_0) + \frac{x_1 - x_0}{x - x_0} E(x_1)$

 $F_{r}(x) = \left(\frac{x-5}{3-5}\right) \left(1,5\right) + \left(\frac{x-3}{5-3}\right) \left(1,8\right)$

 $F_{1}(\chi)=\left(\frac{\chi-5}{-2}\right)\left(1,5\right)+\left(\frac{\chi-3}{2}\right)\left(1,8\right)$

Formula Pro(x)= Ef(xi) Li(x)

























































































j = 0,1,2,3

Corado- 1















$$9 - \frac{1.5}{2} \times + \frac{7.5}{2} + \frac{1.8}{2} \times - \frac{3.4}{2}$$

Grade-2

$$f(x^{2}-x^{0})(x^{2}-x^{1}) = \frac{(x^{2}-x^{0})(x^{2}-x^{1})}{(x^{0}-x^{1})(x^{0}-x^{2})} + \frac{(x^{1}-x^{0})(x^{1}-x^{2})}{(x^{1}-x^{0})(x^{1}-x^{2})} + \frac{(x^{1}-x^{0})(x^{1}-x^{0})}{(x^{1}-x^{0})(x^{1}-x^{2})} + \frac{(x^{1}-x^{0})(x^{1}-x^{0})}{(x^{1}-x^{0})(x^{1}-x^{0})} + \frac{(x^{1}-x^{0})(x^{1}-x^{0})}{(x^{$$

$$f_{Z}(Y) = \frac{(\chi - 5)(\chi - 7)}{(3 - 5)(3 - 7)} (1.5) + \frac{(\chi - 3)(\chi - 7)}{(5 - 3)(5 - 7)} (1.8)$$

$$+\frac{(\chi-3)(\chi-5)}{(\chi-3)(\chi-5)}(\chi-9)$$

$$F_{2}(y) = \frac{(\chi-5)(\chi-7)}{(8)} (19) + \frac{(\chi-3)(\chi-7)}{-4} (18)$$

$$+ \frac{(\chi-3)(\chi-9)}{(8)} (19)$$

TALENTP.COM

(In)

6-

$$t \frac{8}{(x^2 - 8x + 15)}$$
 (119)

$$f_{2}(x) = \frac{1.4x^{2}}{8} - \frac{22.8}{8}x + \frac{66.5}{8} + \frac{1.8x^{2}}{4}x - \frac{18}{4}x - \frac{37.8}{4}$$

- 0

=3

