Taller 11 · para ex =0. 2 ') -4 h = 0.1 · f(0.7) · f(0.7-0.1) = f(0.8) f'(x) = 0.88 x3 - 112x $f''(x) = 2.64 \times^2 - 1.12$ c (a) = 4.578422 F (08) = 4.53 1712 F (0.6) = 4.62.6912 € (0.7) ≈ 4531712 - 4525022 -0.4642 2 4.578422-4.52 6912-0. 4849 F'(0.7) ~ 4.53 1212-46.269 12 - +0.4760 r'(0.7) =-4.822 · F'(0.7) ~ 4.53 1712-2. 4.57 8422 + 4.626912 - 0.17 80 (0.1)2 ((07)=0.1736

3

1

·x=0. + h=0.1 f'(x)=688x3-1.12x f"(x1 = 2.64 x2 -1.12 f(0.7) = 0.22(0.7)4-6.56(0.72+4.8 = 4.578422 F(0.8) = 6.22(0.8)4-6.56(0.8)2 14.8=(4.531712 F (0.6) = 0.22(0.6)9 - 0.56(06)2 + 4.8 = 9.626412 Flo. 9) = 0.22 (0.4) -0.56 (09)2+4.8 = 4.990992 F(0.5)=0.22(0.5)4-0.56(0.5)2-148 + 4.67375 · F'(0.2) = F(0.8) - F(0.2) = -0.09671 = -0.9692 F(0.7) = -0.04849 = -0.0899 F (0.2) = F(0.8)-F(6.5) = -0476 2 x0.2 · F ((0.7) = f(6.4) - 2f(08) + f(02) = 0574 F" (07) = F(0.7)-2F(0.6) + F(05) -- 0.2652 f"(07) = f(08) - 2f(07) + f(06) _ 0.178 (0.1)2

(x) = 0.86 x 3-1.12 x Para x = 0.7 F'(0.7) = 0.88 (0.713-1.12(0.7) = -0.48216 F"(x1 = 2.64x2-1.12 pa10 x = 6. 2 F'((0.2) = 2.6 # (02)2 -1.12 = 0.1 236 1