P517. i 0 1 2 3 #3. Xo 78 = 0.92 11 12 - Xi 0.92 0.38 -0.38 -0.92
X,= cos 3 7 = 0.38 ex 2.52 1.47 0.68 0.40
X2 = 605 3 7 = -0.38 SAX 0.02 6.68 X103 -6.68 X103 -0.02
X3 = 605 = 7=0.92 n(x+2) 1.07 0.87 0.48 0.07
(A) +CX0.X]= (2.0) + (
+Cx0, x, 7 + Ex, x, 7 + Ex x, x, 7 + Ex x, x, x, 7 + Ex x, x, x, 7 + Ex x, x, x, x, 7 + Ex x,
e 1.94 1.03 0.52 0.70 END.39 (0.175)
shx 0.78 0.97 0.78 -0.14 0.15 -0.15
In(x+2) 0.37 0.51 0.76 -0.11 -0.19 0.04
x ⁴ 1.31 0 -1.31 1.00 1.01 0
(9) P(x) = 2.51 +1.94 (x-0.92) +0.7 (x-0.92) (x-0.38) +0.17 (x-0.38) x+0.38)
(b) P(X)= 0.79+0.78(x-0.92)-0.14(x-0.92)(x-0.38)-0.15 (x-0.92)(x-0.38)(x+0.38)
(c) P(x) =1.07 + 0.37(X-0.92)+(-0.11)(x-0.92)(x-0.38) +0.04 (X-0.92)(x-0.38)(x+0.38)
(d) $P(x) = 0.73 + 1.31(x - 0.42) + (x - 0.42)(x - 0.38)$
+7.
$f_{1}(x) = x - \frac{x^{3}}{6} + \frac{x^{5}}{120}$ $T_{5} = 16x^{5} - 20x^{3} + 5x$
$Q_{+}(X) = \frac{1}{12} (X^{5} - \frac{1}{4}X^{3} + \frac{1}{6}X)$
fr(x) = fi(x) - Qr(x) = 383 x - 5x3 : shx - fr(x) = 7.2x10+
$\#9 \int_{-1}^{1} \frac{T_n^2(x)}{\sqrt{1-x^2}} dx = \int_{0}^{0} -\cos \theta d\theta = \frac{\pi}{2} + \left(\frac{1}{4n} \sinh 2n\theta\right) \Big _{0}^{\pi} = \frac{\pi}{2}$
J-1 11-x2 JT

