9.7C HW PG 644! 19,30, 44, 50, 51, 58; Actual textbook: pg 5/0: 20, 22

(A) $P_4(x) = x + x^2 + \frac{x^3}{2} + \frac{x^4}{6}$ (30 $P_2(x) = -\pi^2 - 2\pi(x-\pi) + (\pi^2-2)(x-\pi)^2$

(9 × -6.795 (50) n=2 (5) n=5 (58) -0.180 ≤ x ≤ 0.220

 $\frac{(0.1)^3}{3!} \left| \begin{array}{c} 1.667 \times 10^{-4} \\ \hline \end{array} \right| \frac{f^2(z) \cdot (0.1)^2}{2!} \left| \begin{array}{c} = (0.1)^2 \\ \hline \end{array} \right| = 0.05$

c) the line y=x is below y=sinx for x < 0.