P27-28 (4000 160000 dels (400000 Feet 1906) 3. a.  $150 \times 10^{-1} = 0.15$  . the interval: (349.85,150.15).

b.  $900 \times 10^{-1} = 0.9$  . the interval: (399.1, 900.9). d.  $90 \times 10^{-1} = 0.09$  the interval: [84.9], 90.09)

11. a.  $\lim_{x \to 0} f(x) = \frac{\cos x + i \times \sin x}{1 - \cos x} = \frac{-x \sin x}{1 - \cos x} = \frac{-1}{1 - \cos x}$ b.  $f(0.1) = \frac{0.1 \times \cos(0.1) - \sin(0.1)}{0.1 - \sin(0.1)} = -\frac{1.941}{0.1 - \sin(0.1)}$ c.  $f(x) = x(1-\frac{x^2}{2}) - (x-\frac{x^2}{2})$ ... f(0.1) = -2x-X+ X1 d. E. = (+(0.1) - +'(0.1)) = Ex= 1 floor - +(0.1)1 : 0.0005 = 5x10-4. 17. 6.  $x_1 = \frac{x_0 y_1 - x_1 y_0}{y_1 - y_1} = \frac{1.31 \times 4.76 - 3.24 \times 1.53}{20.000658}$ 4.76- 3.24 X2 7/2 (X-X-) 4- 7/9 (1-93-1-31) 24.76 = -5-51  $E_1 = \frac{1 \times 5 - \times 1}{X_0} = 0.428$   $E_2 = \frac{(X_0 - X_2)}{X_0} = 0.130$ . The second way is better. P38.

7.