Cerminage 50 - O Berouse S(x) = O(g(x)) / 20) ] C: 15(x) | Solgian) mux > a trexor (a) ( f(x) = 0 (g(x))  $f(x) \approx g(x)$ (2) 2 g(x) = 0 (5(x)) Mu x > a lenna 1: Eliu lim gix) = < zo 25 aguaro hapregua 25 5(x) = g(x) mu x E X n v(a) (J(x) n g(x) Les 3(x) = 3(x) · g(2) 2ge am N(x) = 1 23 9 Hobarenmure pyringen Eeun Um g(x) = 1 e) 1 S(x) ~ S(x)

Tregrena: Ryem 5 2 51, 3 291 mu x-sa. 9(2) Morga, ecua 3 Um \$1 1 morga 74m \$ 2 Um \$1, morga 74m \$ 3 2 morga 9, 9)  $\frac{3(x) = 0(g(x))}{yu x + a}$   $\frac{3(x) = 0(g(x))}{yu x + a}$ Eur S(x) = 0 (g(x)) u pu moule 3, 9 - 5 mp, morga robopilm, mo 3 5(x) - 5Mg Souce bacconors hopingage mandemy ren g(x). Ø f = 2x² | g = x² , x>0 nouveyame, uno 5 × 9 D Rokajame, zmo 52 73 unecem dance
Conomis nopregox menoemn, zen 92x2 3) Onnegement ropulger mandeme to x min x =0 gynnym S(x)= 1- (05/x) (4) D-me, 2mo 1-x 1/x2 ppu x >0.

(m) \frac{\xeta(\alpha)}{g(\alpha)} = 4m \frac{2\xeta^2}{7+\no} \fra = 4m 23 240 (3-n) 22 3 = 0 25/4 2 × \$(x) = 41 1-605x xx x>0 x k 200 (1- cosz) × 2 Sinx

(3) 2 -0 sibx ~ x are sind ~ x 6gx ~2 are by x ~x 1- 008 ~ 2 ex-12 (n/1+x) ~x (1+2)a-12 ax 314 (2 -3) Q-3) 12-1) 2 7-1 2 2 22-42+3 N-> 0 (3) Um (08 4x - cos 2x) z 412 - (4x)2 + (2x)2 -1+1 x+0 2. (3x) 3 4m arc by \$ x 2 (pm \$ \frac{7}{4} \times 2 - \frac{7}{8} 

(n (-1.(1-cos2) +1) = 2 4m hx-line = lim he = 2

2-e x-e x-e x-e nos e  $2 \left(\frac{2}{2}\right)^{2} \left(\frac{1}{2}\right)^{2} \left(\frac{1}{2}\right$ 2 4m = 2 e 4m sin (24+2n) 50n 274 y->0 Sih (3y+3n) 1m sin 24
420 -5/234