Сенинар. Уугдин сдин дунизмый S(x), rye X-emouremento empegenemme a (a EX men a & X) - pregentime morka
senomente X, even & reconst opperance
mu V(a) cyuzelmbyrom morka uz X - ((4)) Onp 1 (no keeun): A = lim f(x) (=) (=> +E>0 78/E) >0: +x EX: 0 < 1x-a128(e) => 15(x)-416 FE >0 361E) >0'. Gx EX X E US (a) => => f(x) E VE (A) A=lim fix) (x) Ung 2 (no Jewwe): (3) + {x,3! xn +a) lim Xn 29 3) 2) 4m 5(xn) 2A カラの

25 Janeramentonous pregen (1+x) = e Um (1+ 1) = 2 15 jameramentensent yegen Um (SINX) = 1 Ognoimponnue ppequion: A = Lim f(x) = f(a-0) (=) (megen you Il compene. Ka hela) HE >0 7 6 (E)>01 47: 0- - 6 - 4x (a >) -> 1 f(n) A/126 A" = lim S(x) = 5(a+0) (5) 2-79+0 L=> HE =0 7 6 (E) >0: +n: a+x 2a+6 => 27 + 124 A" | LE Francisco)

Rosewy 1 m 3. n. palen 1? 0 < x 2 2 SAOAB & SOAB & SOAC SIAX C 2 C C 2 2 sinx cxx bgn Sinn > 1/69 x 3/37 > cos 2 0+0 5/5x 1 27 4m x 30+0 Um Sink Sta-20 10

Do kazeems 1 1) Um sinx = 0 4. E-0 7 61E) 4x + X 02 12- 21 < 6/5) = 37/31/26 15in x1 = 1x1 = 0 28 2) Um 608 2 = 11 1008x-112 C1X1 cos 22 2 1-25/12 2 1(08x - 1/2 /1-25in2 = -1/ = / 25in2 = 7 1 2/2/ he hereem megera 3) 5/1/2 3 (xn3, lyn3: 2xn + a) Lim 1/2 a
h-> 00
Lim 5/2 a
h-> 00 3) 1) lin \$ (x,) & lim \$ (yn)

7 {xn3, {5n3: xn # 9n Lim Xn 200 4m yn = 20 4m \$ (11m) 7 (in f 194) hosas 2n = 2 + nn -> a SIn nn = h 21 h z 1/2 + 2 125 y = = + (2h+1)71 4m (x2-1) = -1-+ $\frac{411}{x}$ a) $\lim_{x\to 0} \frac{x^2-1}{2x^2-x-1}$ lim (2x2-x-1) -1 o) lim 22-1 (im (2 X+1) N-21

6) lim x2-1 2 Am 122 1) (424) (im x+x2+...+xh-h 2-1 x-1 x-1 $(\chi-1)+(\chi^2-1)+...+(\chi^n-1)$ 72-4) [7+ x + 7+x2+x+7+- 17] 1+h VX+13'-2VX+1'
x2-9 lim 253 $\frac{2 \left(\frac{1}{1} \right) \left(\frac{1}{1}$ $\frac{24m}{x>3} \frac{3-3x}{(x^2-5)(\sqrt{x+13})} = 2\sqrt{x+1}$ $\frac{-3(x-5)}{(x+3)} \frac{-3(x+3)}{(x+3)} \frac{-3(x+3)}{(x+3)} = 2\sqrt{x+1}$

 $\frac{1-695 \times 2}{7^{2}} = \frac{1-605 \times 2}{2} \times \frac{1-60$ 2 Um ROD 2 7 7 1 tg x - s/n x 2 N-20 4m - 5/10x cos x S/13 x 20 200 WX SIM2X Sin 2x 2 4m 1 - cos 2 1- cos 2 Com 220 (1-cos 2 n) win SIN'X WOOX 1-(05x)(1+605x) (1+ cosx) cosx (W) X