

RHS (1/= e2-e2+ 5 e2= 1e2 RHS (4) = e2 E(x) - Imagrapic although min [())

x is wo to

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x is wo to

min [()) 11 x2-1211 ≤€ Affine affortioners · u. nuens

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= (directional democracy of and n more of (y-n)) x distance Mon y and n =idny = dry x | 11 y - x | 1 - \(\langle \ Pate of charge of the directional resolvance of four in Sivellion in Sivellion in Sivellion in Sivellion in Exercise 1 <u>Q.12</u> Gn=[,1] i∈ M = 1 € M € 1, 3 GUG=(1/2) $\int_{1/2}^{2} \zeta_{1}^{2} = \left(\frac{1}{2}, 1\right)$ (1) E >0 E E ight, MG:= []

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(eil(2) [a] = omnilert intger > n - only finite unism of closed less need to be closed $G_{c}^{\prime} = (-\infty, \frac{1}{2}) \cup (1, \infty)$ the Gair class In Ra

The Gair class In Ra $\frac{0.13}{0.13} \qquad G_{n} = \left(-\frac{1}{2}, \frac{1}{2}\right)$ V 614 = 50 $(-\infty,0)$ $U(0,\infty)$. I (11. 1 + 10.00 m A Donner noe) to be Am !

- on finde intersection of ferrus red to be ofen! liming and lim Aug (xn)
lin xn mag a mag and exist. 7 = in (2(m) J, K, K3, ----Ji= 12 12 12 The sing on = inf (my nuti, meti, --)

() is monotonically increasing. liming 27 = lim to - similarly defined on $\underline{y}_n \leq x_n \leq \delta_n$ => y = 3 = ± n > lim & < home & liming my < lim my my Jupos fin ra exists yn < xn < m * if lim &n exists & lim xn = liming xn = sim my xn =

x if liming the = linmy has a significant with the sixty of the sixty * suppose y = liming in d= lin my xn ·+ 21> } J Nz: 8,+. 2m < 21 + n> Nz! 24, 12, 23 -- -- XNZ12NZ1411) n + 00 || xn - x * || = 0

bour we to not remove where

|in || xn - x * || = xx3; } Suppose me show

liming || xn-n x || =0

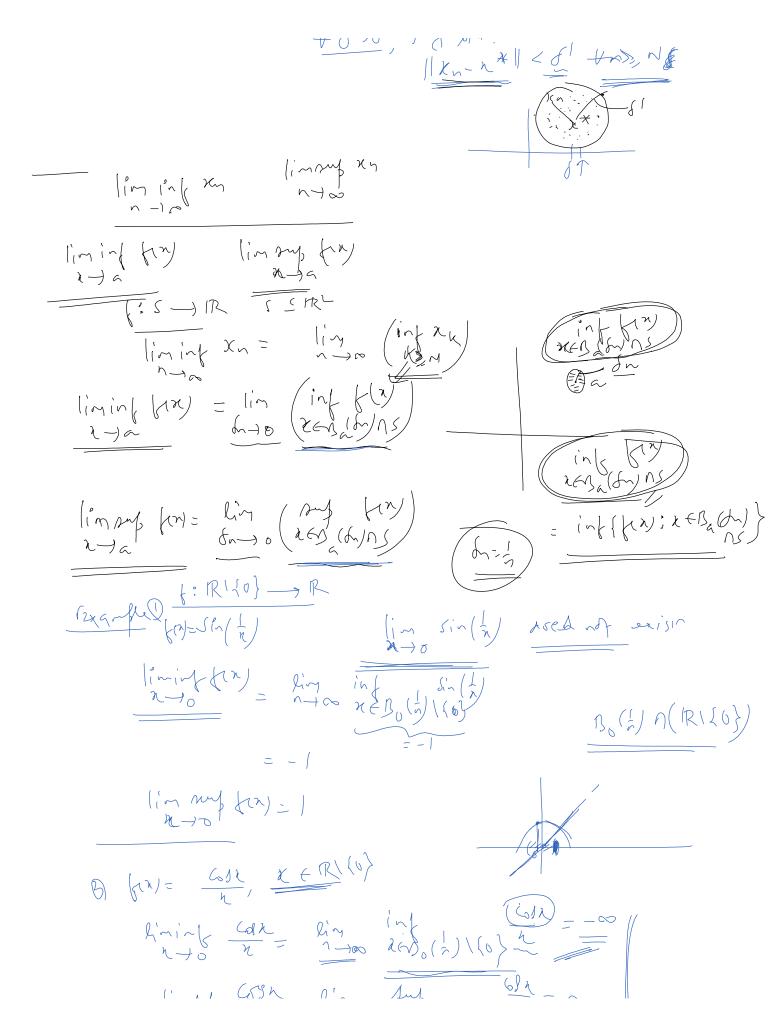
liming || dn - d x || =0

n you

liming || xn-n x || =0

n you

liming || xn-n x || =0 Anspose me only show / limmy || hy - x * || = 8 + 6 > 8, 7 % 8, 7. 11 × n - x * 1 < f + + >> N &



 $\lim_{\lambda \to 0} \frac{1}{\lambda} = \lim_{\lambda \to 0} \frac{1}{\lambda} = \lim_{\lambda$