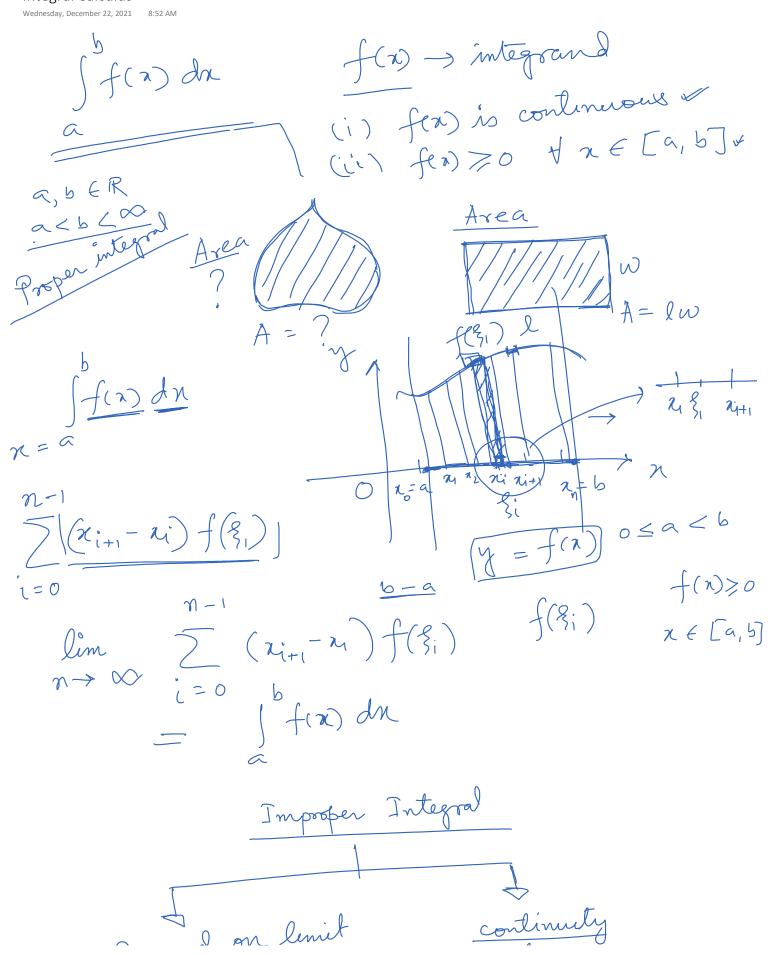
Integral Calculus



New Section 5 Page 1

 $f(x) = \frac{1}{1-x} \quad [0,1] \text{ is not}$ $= \infty \quad \text{at } x = 1$ $\int n dx = ?$ TypeI

Sendr = lim Sf(x) dx

Broad

A

W $= \underset{\text{finte}}{\text{fland}}$ $= \underset{\text{finte}}{\text{fland}}$ $= \underset{\text{find}}{\text{fland}}$ $= \underset{\text{for } A}{\text{fland}}$ $= \underset{\text{for } A}{\text{fland}}$ $= \underset{\text{for } A}{\text{fland}}$ $\int_{-\infty}^{\infty} f(n) dn = \int_{-\infty}^{\infty} f(n) dn + \int_{-\infty}^{\infty} f(n) dn$ fen du fen is not continuous at z=b

lum ferson fen da lim sten dr 8 - 0 at 8 fen)
at

fen)
dn

fen)
dn C, < C, < C, < C, < C, < C, < C, (A) = lim (dn / 1+22 = lun [tan'x] tan B- $\int_{-\infty}^{\infty} \frac{dn}{1+n^2} + \int_{-\infty}^{\infty}$

 $\frac{1}{2} \frac{1-x}{2} = \frac{1-x}{$