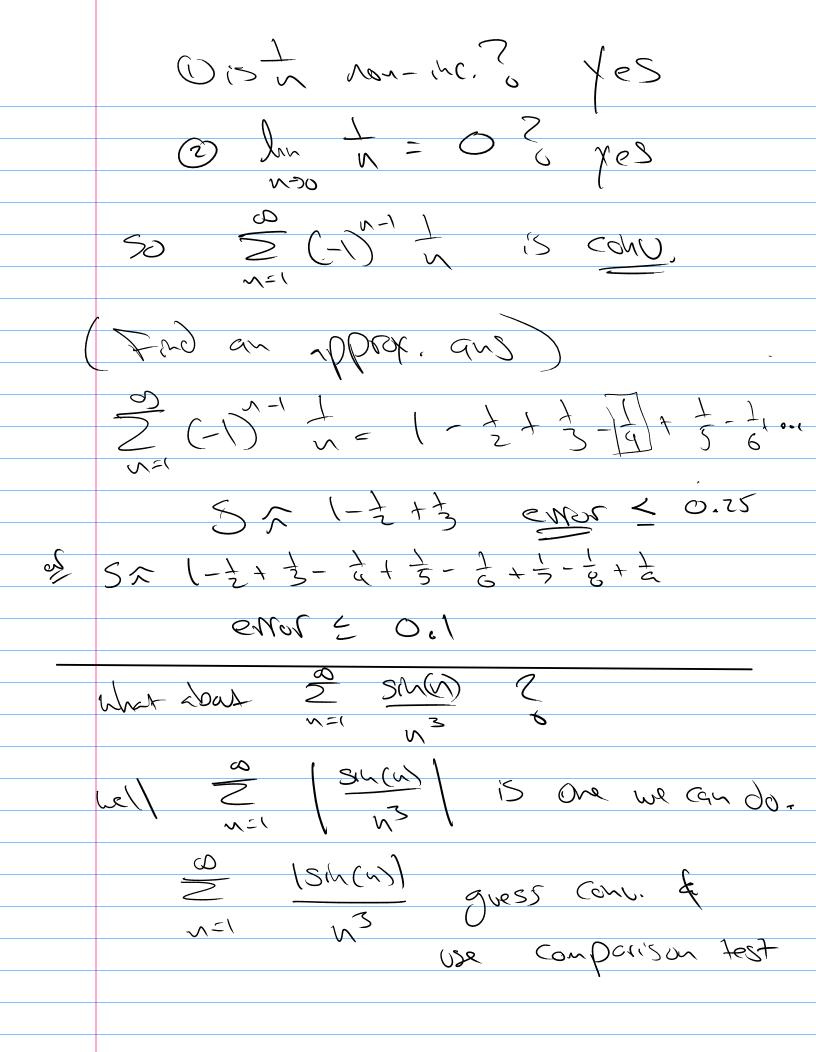
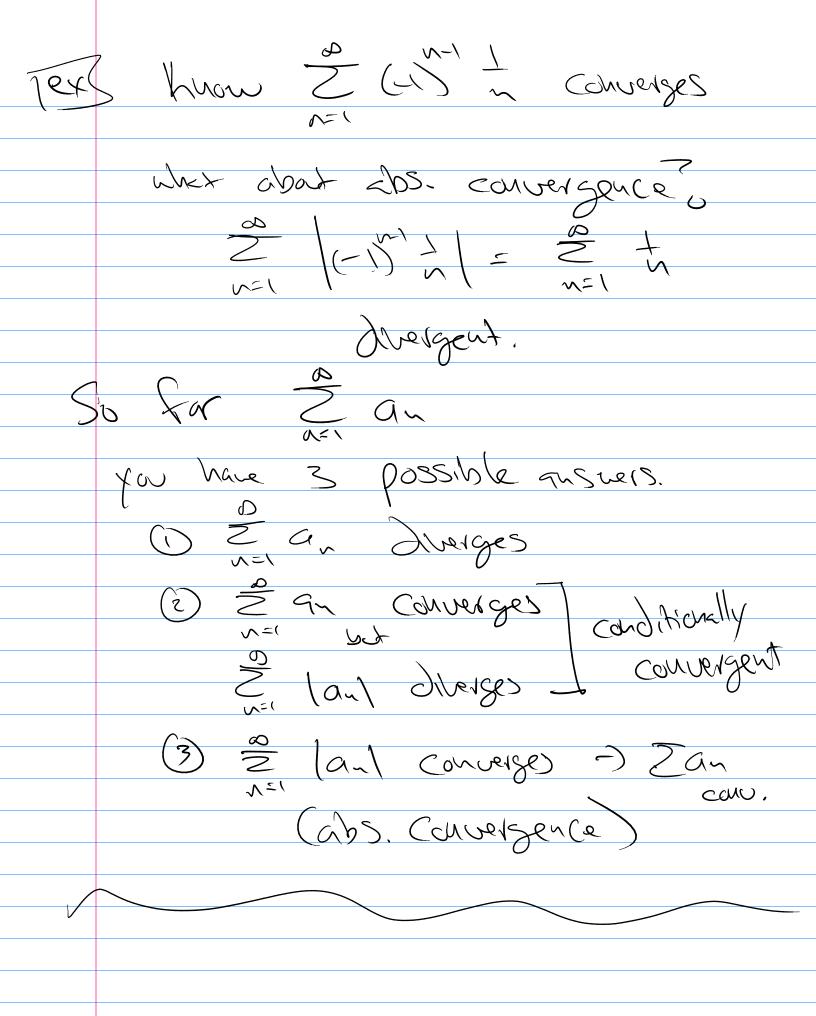
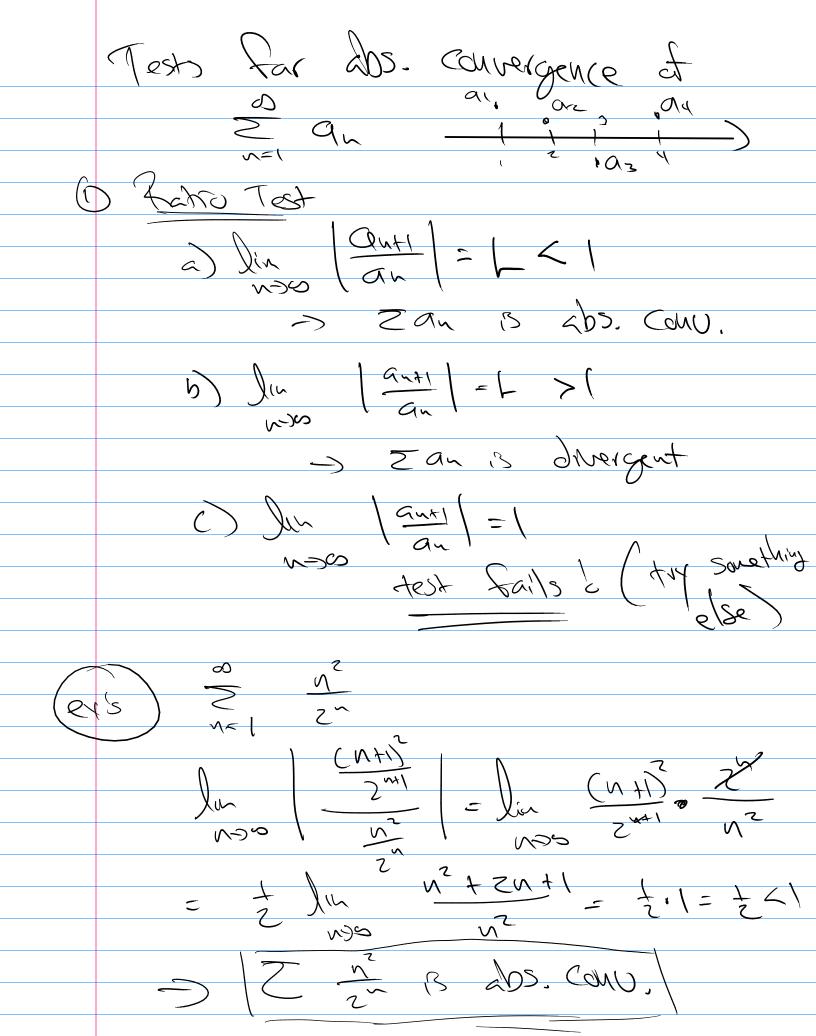
Math 293 8.9) is Zan cono? Swengent? Alt. Series TOT (bn>0) $\frac{0}{2}(-1)b_{1} = b_{1} - b_{2} + b_{3} - b_{4} + \cdots$ if 00 0 = bn+1 = bn (hon-inc.) then $\frac{2}{2}$ In $\frac{1}{2}$ $\frac{1}{2$ [Rn = 15-Sn = 52 ex 2 (-1) -1 deructing Harmonic series = 1-2+3-4+5-6+5-11

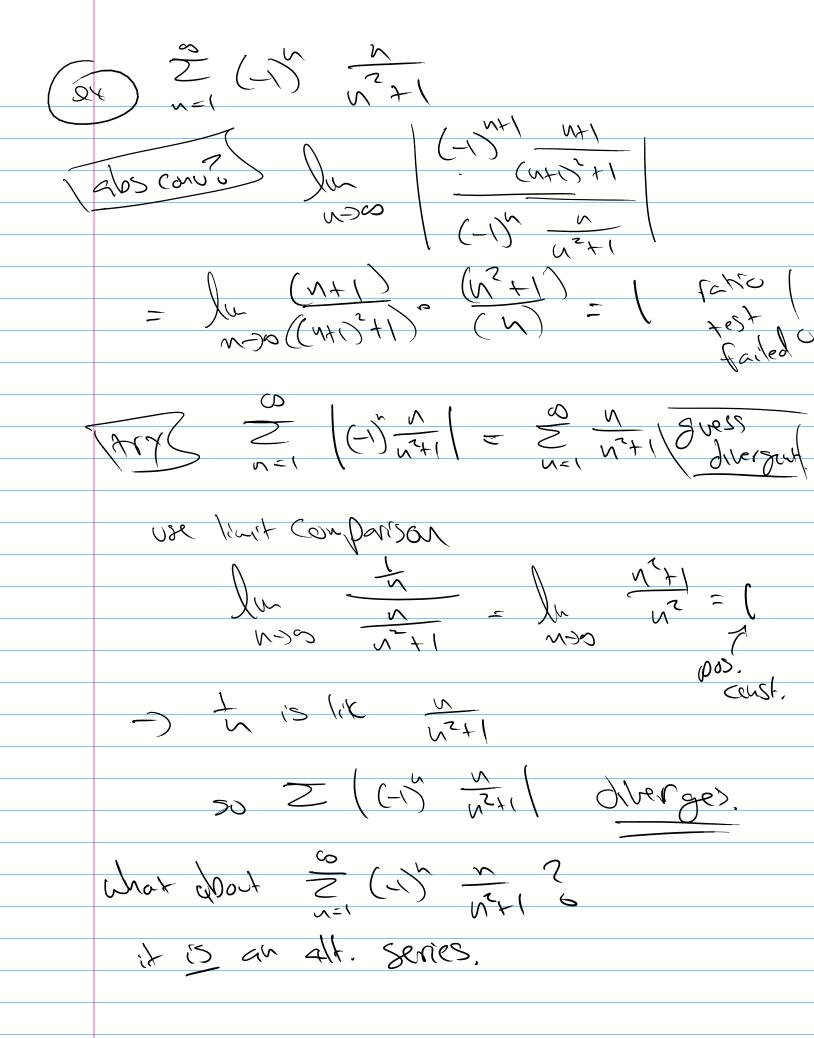
a) it is an alt. series 50 (1) is it non-ine? (2) line to =00



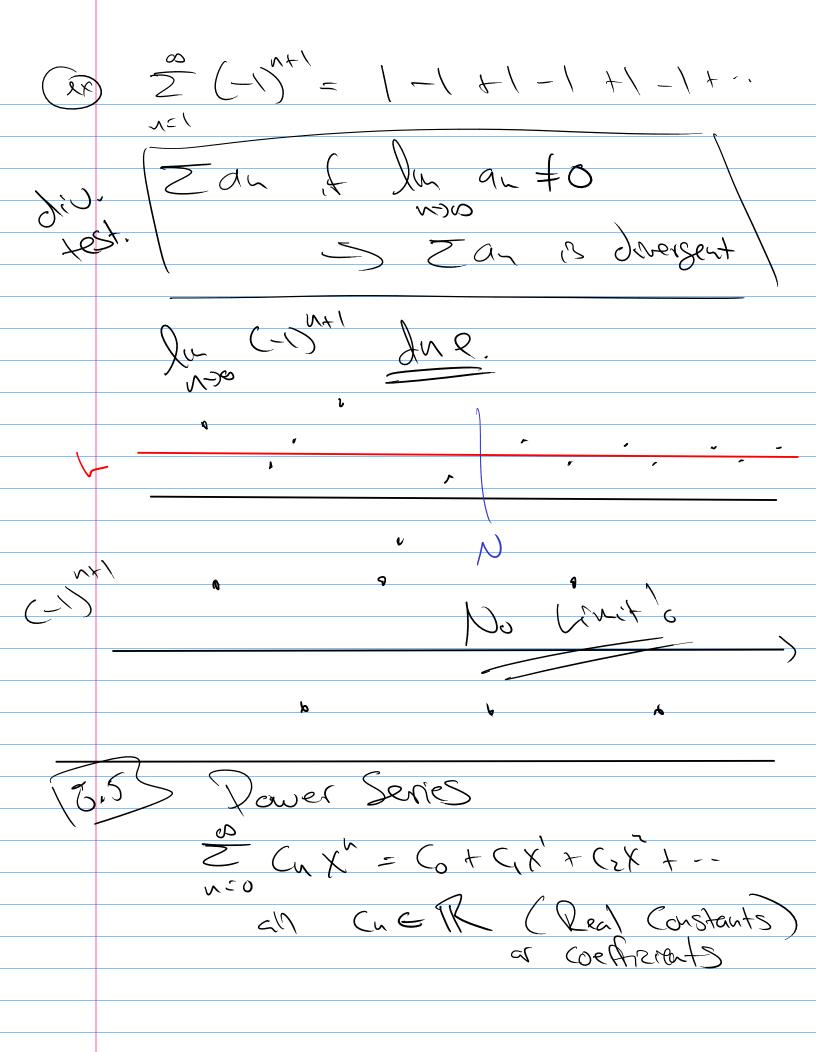
-581185 N=(N2) / (2) on Daison. this say about S271 S3 S4 S > f Z lan converses 2 04 Carverges we say Zan is als. Convergent

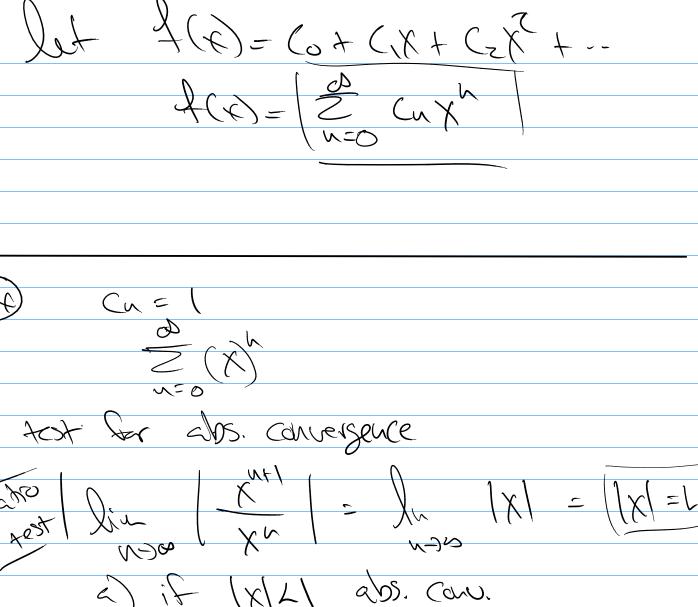






alt. serres lest. (1) 12+1 13 ron-hc. $\frac{2}{\sqrt{2}} = 0$ 2 (-1) 1/2/ 15 COW. i, kondistantly can. a) lan | = L x1 -> Zan is 5) lu |qu| 1/h=L>1-) Zan 15 c) lu |au| 1 -> text Fail 3. Lu (C-D) / m Ihn = Im Ihn = > 20 (Juny 13 alos, com),





a) if |x/2/ a/ss. cow.

it 1x1>1 devergent

N=0 S (-!)

N=0 Dwerzent.

divergent.

lit f(x) = 2 xn = 1+x+x+x+ abs. Con. & 1x/21 - (Machan) Dolle: building lost power @ this pant several times So no rovic.