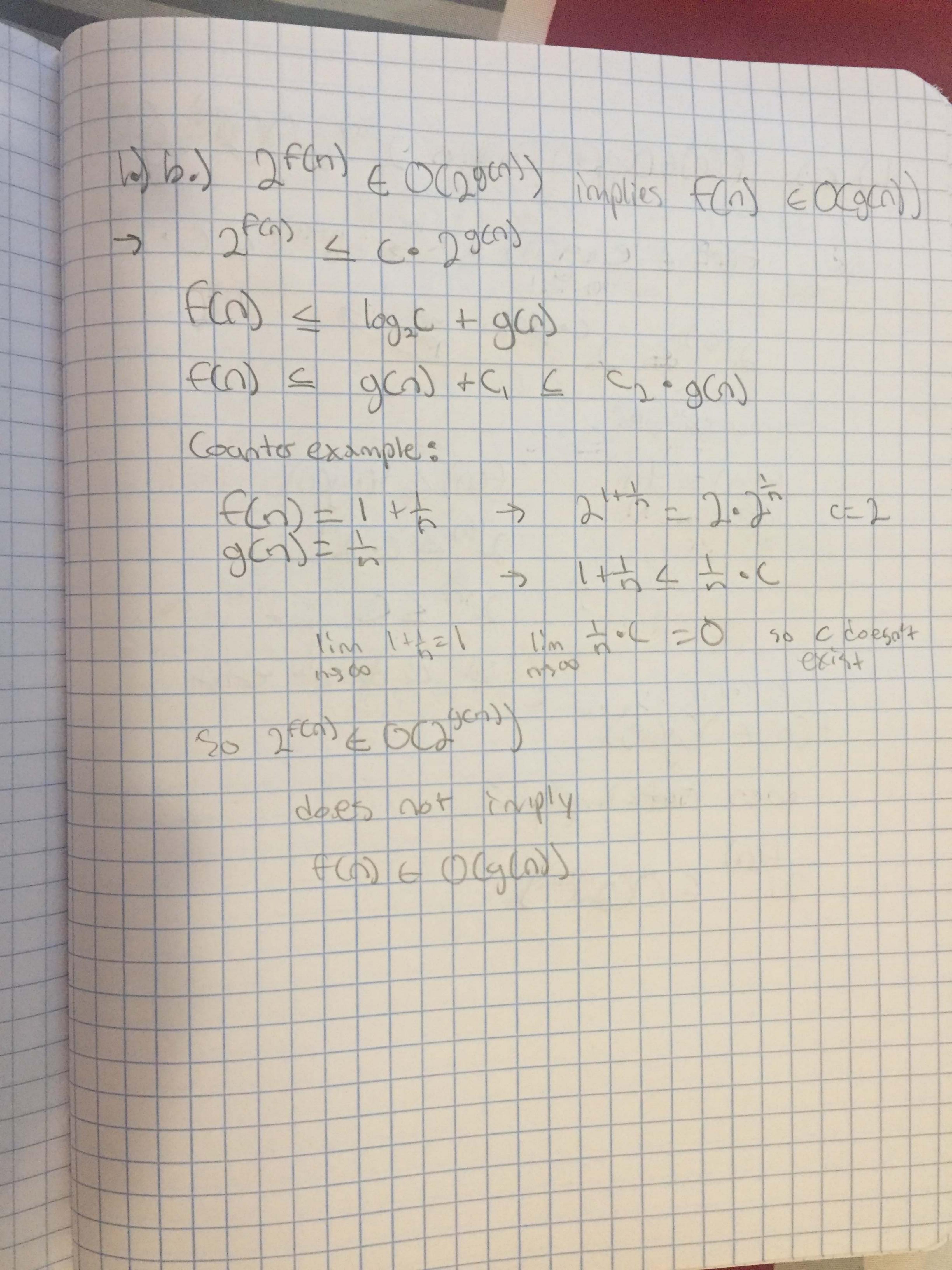
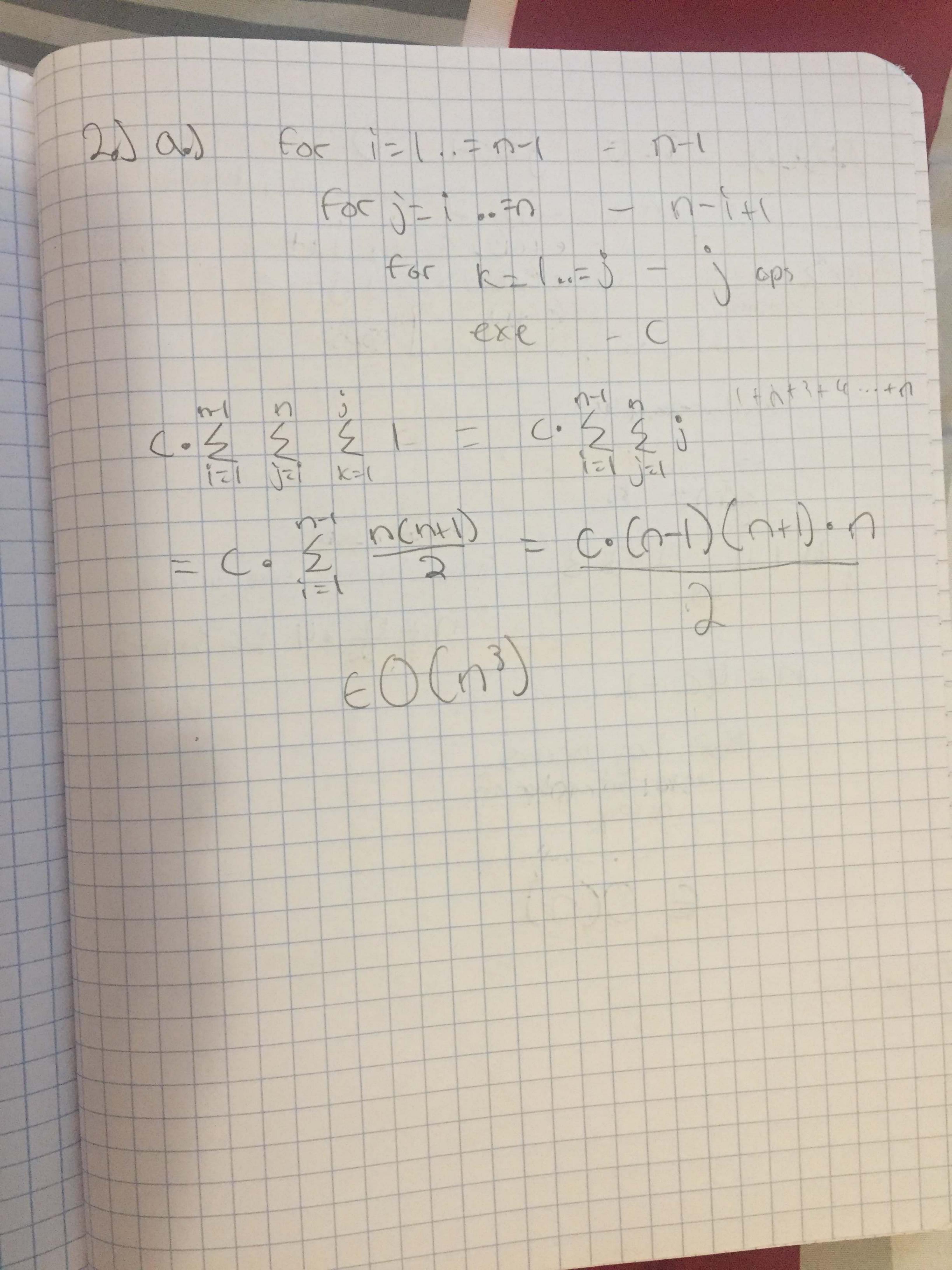
(a.) Haz/2 e 002) Disprove: 3021 For 4021 such that to 2 no medring C 199 THE MELINE



Fale agains inglish Counter example: 1100 2° a dolesn't conth does not imply THE OCOON



J gebras du occar minor 2.00.) alnays preform Olmox > k > amin alse coshes Woose! Swap increment swap in swap in

return 1-ength/2 + later-zero (A sub (length /2 ... length) not inclusive return latest zeco (A, sas(0+...length/2)

replace ACil Withempty Floor Alai heapify-down() E0010000 quere deletely deletelis return E O (mlagn)

almost-socted (A, K) & 1500 Polodity Queue pg # Min Heap based Gaston-des Chry pash First KH elements of A to pg to be correct in KH on Extracts all But K+1 Etements espend py-extract to S push it element in A to pa querenteed in otder for cemaining elements in pa: append parextiact to S Extracts Charpony Kxx 61ener35 log(0)+ log(2) + log(5) = + log(k+1)!) I with push Tergest fauth (so branched by) Extract & push = 20100(K+1)-24/00(K+1)-2169640) n+K-1 times (log(k+1) + log(k) ... + log(2)+log(1) = log(1)+1