Leo Berman ECF 4512 Homework 1 Je 3= 2(e) = 2(cos(号)+jsin(号)) 12(0s(2ret)Sin(2ret) dt U=Sin (2ret) 100 U= 0 b) {2(052(2nt) (t-2)]+(05(4nt)) dt= }(+(05(4nt)) dt = [t + Sin (Asct)] - 1-0= 12sin2 (2ret) 2t=2) 1-(0s(4ret) 2t=3)-(0s(4ret) (t t - Sin(4rt) - 1-0= [25in(2rt)sin(4rt)dt= S(OS(2rt)-(OS(6rt))]+ - [Sin(2nt)] - [Sin(6nt)] = 0