8,3,1) 5,86 Show that V=V+e-jBz + V+|p|ej(0p+Bz) Can be written as a standing and travelling wave V=V+e-jBz + V+lpleseejBz V=V+(e-jBz+|p|ejopejBz) V= V+ (cos(wt-Bz) + |p|e cos(w+ Bz)) COS(A+B) = COSACOSB = SINASINB + Cos(A-B) = Cos Acos B + sin A sin B cos(A+B) + cos(A-B) = 2 cosA cosB B= BZ V = V+ (2cos (wt) cos(Bz) - cos(wt+Bz) + (ple cos(wt +BZ)) V= V+ (2 cos (wt)cos (BZ) + (|p|ejop-1) cos (wt+BZ)) travelling Standing