Dot Product v jehn でで = U, v, + u, v, + --+ u, U, = | | | | | | | | | | Cose Q.V=0 = VIV if ill then it = at 3 = < v, ..., un> 20 = 200, ..., 200> でで= (で)・マー (ベリ,・・・, ひり)・イリ、・・、リッ = X V1 + X V1 + ... + X V12  $= \infty \left( V_1^2 + \cdots + V_n^2 \right)$ = 0 || || || || || (à.b).c. Vector (1211 (6-2) = (scalar) (scalar) = scalar 0.6+2 = scalar + vector (7.5) 7 Scolor (vector) = vector. (6) = < p,-p,2p> = = <2q,q,-q> a.5 = 2 pg - pg - 2 pg = - pg. 2=32+25-6 B= 42+56 = 42+09+56 8

3.5 = (2)(1) +(1)(a) (-(1) = 7





