Quiz 4 a) A change of coords matrix CA>B YVEV, CAUBIVIA = [V]B A,B are bases of V A matrix CARB transforms vectors in coordinate A to vectors in coordnate B Let A=(a,...,an) be a (A-2B=[Ca,]B-Can]B 9) True, C= C=>B= | b1-bn where B=(b1,..., bn) Since CB== I CE=B=I=I Thus all bis are (0) so B is the standard basis a) V=P : V -> [V]B a+b-c] So [(a+bt+ct2)=[a+b-c,c,q-c]