Example 4 O Derine A and B A { Card is red } B E earl is an ace 3. BIA { card is an ace given card is med }. 3 Get Sample Spaces Total Sample Space Before Events is 52 cards = 52 Sample Space of A [26 cards] = 26 Sample Space of BEY aces 3 Sample Space of BIAE2 aces 3 = 2 P(AIB) = P(ANB) = 2/52 = 1 = .08 P(B) 26/52