mar	also has an ordinary fair 6-sided dice. He rolls the dice. If he obtains a 1 or 2 bles at random from bag $A$ , without replacement. If he obtains a 3, 4, 5 or 6 bles at random from bag $B$ , without replacement.	
(a)	Find the probability that both marbles are white.	[3]

Tim has two bags of marbles, A and B.

3

<b>(b)</b>	Find the probability that the two marbles come from bag $B$ given that one is white and one is red. [4]