Na	ame:	Student#:	Date:	
	COMP 2711: Discret	e Mathematical Tools	for Computer Science	
		In Class Exercise #10		
1.	Two coins are placed in a bag. One of them is a fair coin, while the other is a special coin with tails on both sides. One of the coins is picked from the bag at random and this coin is tossed 2 times. Let $A_i$ ( $i = 1, 2$ ) be the event that the coin comes up tail on the $i$ -th toss.			
	(a) Calculate $P(A_1)$ and $P(A_2)$ .			
	(b) Calculate $P(A_2   A_1)$ .			
	(c) Calculate $P(A_2 \cup A_I)$ .			
	(d) Ano A and A independent	29 W/by/9		
	(d) Are $A_1$ and $A_2$ independent	i. vvily:		