

1.

Probability Review Exercises

Three cards are dealt from a well-shuffled deck.
a) Find the chance that all the cards are tens.
b) Find the chance that none of the cards are tens.
c) Find the chance that the cards are not all tens.
d) Find the chance that the third card is a ten.
e) Find the chance that the third card is a ten given that the first two were $J \clubsuit$ and $2 \heartsuit$.
f) Find the chance that the second card is a ten or a \heartsuit .
g) Let A be the event that the first card is a 10. Describe an event B for which A and B are independent.
h) Let A be the event that the first card is a 10. Describe an event B for which A and B are mutual exclusive.

	(A) 1	2 3		(B)	1 2	2 3		
Find the ch	ance that:							
a) The number drawn from (A) is larger than the one from (B).								
b) Th	o numbon duomin	from (A) on	uala tha ana	fnom (D)				
D) In	e number drawn	i from (A) eq	uais the one	from (B).				
c) The number drawn from (A) is smaller than the one from (B).								
3. In the bo	ox shown below,	each ticket s	hould have t	wo numbers:				
1	1 2	1 2	1 3	3 1	3 2	3	3	
A ticket wil	ll be drawn at ra	andom. Can	you fill in the	e blanks so th	at the two nu	mbers are in	dependent?	
4. A box h	as seven green b	eads and thre	ee red beads.	Five beads	are drawn at	random with	replacement	
	obability that tw						-	

2. One ticket will be drawn at random from each of the two boxes shown below.