Name	Date				
Worksheet 11.4: Independent vs. Dependent Events					
	n marbles. Bag B contains 9 black marbles and 6 ecting one green marble from bag A and one black				
_	class are randomly selected to travel to Washington, aureen is in a class of 20 students. Find the I be selected.				
, ,	and Wes and Maureen were in that class of 38 at both Wes and Maureen would be selected as the still an example of independent events?				
	n marbles, and 2 orange marbles. Two consecutive acement of the first draw. Find the probability of				
b. P(both marbles are purple)					
c. P(the first marble is purple, and t	he second is ANY color EXCEPT purple)				
5. If you draw two cards from a standard of a. P(King first, Jack second)	leck of 52 cards without replacement, find:				
b. P(face card first, ace second)c. P(2 aces)					

MULTIPLE CHOICE:

6. A coin is tossed and a die with numbers 1-6 is rolled. What is P(heads and 3)?

a. 1/12

b. 1/4

c. 1/3

d. 2/3

7.	7. Two cards are selected from a deck of cards numbered 1 - 10. Once a card is selected, it is not replaced. What is P(two even numbers)?						
	a. 1/4	b. 2/9	c. 1/2	d. 1			
8. Which of the following in NOT an example of independent events?							
	 a. rolling a die and spinning a spinner b. tossing a coin two times c. picking two cards from a deck with replacement of first card d. selecting two marbles one at a time without replacement 						
9. A club has 25 members, 20 boys and 5 girls. Two members are selected at random to serve as president and vice president. What is the probability that both will be girls?							
	a. 1/5	b. 1/25	c. 1/30	d. 1/4			
10. One marble is randomly drawn and then replaced from a jar containing two white marbles and one black marble. A second marble is drawn. What is the probability of drawing a white and then a black?							
	a. 1/3	b. 2/9	c. 3/8	d. 1/6			
11. Maria rolls a pair of dice. What is the probability that she obtains a sum that is either a multiple of 3 OR a multiple of 4?							
	a. 5/9	b. 7/12	c. 1/36	d. 7/36			
		•		P(not B) = 2/3. Who d. 2/15	at is P(A and B)?		