## Technology Project 4 Randomness and Probability

Grou	p Mem	nbers: 1.				
		2				
		2.				
		3.				
		Minitab instructi about how to do		technology exerc ns.	rises link on th	e website for
1.		•		ace and sex of the	-	to the 2000
	a.	Create a joint p	robability dist	ribution.		
	b.	Make a conditional probability for race.				
	c.	1				
	d.	What is the probability that a randomly selected person will be of another race besides white or black?				
	e.	What is the probability that a randomly selected person will be a white female?				
	f.	What is the probability that a randomly selected person will be a white or a female?				
	g.	What is the pro	bability that a	randomly selecte	ed male will be	black?
	h.	-	~	randomly selecte		
2.	Demonstrate the Law of Large numbers by generating 1000 values with a					
	probability of Do this four times and place all four graphs on the same graph. Describe what the Law of Large numbers says and how this graph					
	demonstrates that.					
3.		In Technology Project 3, we learned that Jalen Rose of the Chicago Bulls averages				
	19 field goal attempts per game and makes 40.6% of his attempts.					
	a.	Explain why the made.	e binomial dis	tribution is appro	opriate for the	number of shots
	b.	Create a probabaverage game.	ility distributi	on for the numbe	er of shots mad	le during an
	c.	Graph the proba	ability distribu	tion.		