	Total points 32	RE 2	_		
Stat 10/Sanchez, Spring	2012 LAST NAM	EFIRS	T NAME		
Midterm 1, April 30	UCLA ID				
TA SESSION	TA's	NAME			
ANSWER SHEET					
WHEN DONE, PLEASE WRITE ALL YOUR ANSWERS IN THIS SHEET. ONLY THIS SHEET WILL BE GRADED.					
1. (A) Women are more li	ikely (B)	Men are more likely			
Justify your answer:	505 = 0,35 0+205 JeMæle	185 = 0 214+185 = 0	. 4 6		
2. (A) About 11 out of 100 (B) About 20 out of 100					
(C) About 5 out of 100 (D) Rates can not be determined without more information.					
3(i) In this study, what is the treatment variable? Math Manpulature.					
(ii) In this study, what is the response variable? <u>Quiz</u> Scoves					
(iii) Which two features of a well-designed control experiment is this study missing?					
4 YES	NO				
5. (A) About 9%	(B) 10 (C)	30 (D) 60			
6.(A) Boys	(B) Girls				
7 (A) 61.9, 81.3					
8 (A)Algebra	(B) Chemistry.				
Why? Explain. $\frac{7-5}{4}$	core = 1,166 jebra	Z-score	chemishy = 1		
9 (A) Median house pri	ices (B) Ave	rage House prices			
9 (A) Median house prices (B) Average House prices Explain. Histogram of house prices skewed right flower end some very 10Independent: Commute distance Dependent: Minor accidents per year.					
10Independent: Commute distance Dependent: Minor accidents per gear.					
11(A) 5.2 children	(B) =3.194 children	©2 children	(D) None of the above.		
12 (i) If one person is chosen randomly from the group, what is the probability that the person is					

(ii) If one person is chose a van? (1 pt)3	en randomly from the group $\frac{3}{2}$	p, what is the probability t	hat the person purchased		
(iii) If one person is chosen randomly from the group, what is the probability that the person was male and bought a car? (1 pt) 24/50/17					
(iii) If one person is chosen randomly from the group, what is the probability that the person purchased a sport utility vehicle or a pick-up truck?(1pt) 53+12 -035 (iv) Find the probability that a randomly chosen female buyer bought a van (1 pt) 17/28 =0.193 (v) Using this example, state two events that are mutually exclusive (2 pts) Female vs. Make					
(iv) Find the probability	that a randomly chosen fer	nale buyer bought a van (1	pt) 17/88 =0,193		
(v) Using this example, and	state two events that are m	utually exclusive (2 pts) _	Female vs. Male		
(13 (A) 0.763, 0.0009	(B) 0.5, 0.2 (C)	0.25, 0.9 (D) None of	f the above.		
14 (i)There are (how many?) variable(s) represented in this table and the variable(s) is(are) (circle one)					
(A) categorical (B) numerical (C) some numerical, one categorical					
(ii) The table shows that smoking of mothers causes low birth weight of children. Circle one (1 pt).					
TRUE	FALSE				
(iii) The spreadsheet v couple of lines as		data set may have looked	something like (write a		
エワ	h 12	12 1 31			
Baby	Low Birthweight Yes or 1	SMOKE or Y&			
Baby 2.	No NO	DOSS NOTSMOKE OF	ν		
15 According to that plo	ot, are Brinks Collectors ke	eeping the money?			
Explain briefly why you	reach that conclusion (1 pt)	11 (
The repression below the	on line for repressión li	Brinks Co	honest ones collectors 10 ronest collectors		
And most	observations	for Brinks	collectors 10		
un be win.	tue répression	on who for	LONEST CONCOUNTY		