Pledge:						
3/29/2007 Dr. Lunsford	MATH 271 Quiz 4	Name:(20 Points Possible)				
Please show all calculator input for f	full credit.					
A surprising number of young adults (ages 19 to 25) still live in their parents' home. A random sample by the National Institutes of Health included 2253 men and 2629 women in this age group. The survey found that 986 of the men and 923 of the women lived with their parents. Let p_m be the true proportion of men in this age group who live with their parents and p_w be the true proportion of women in this age group who live with their parents. Please use the following questions.						
(a) Find a 95% confidence interval	for $p_m - p_w$. (2 points))				
(b) Write a complete English senten you found in part (a). (2 points)	ice explaining the mear	ning of the confidence interval				
(c) Test the hypotheses: $H_0: p_m = 1$ test statistic and p-value. (2 points)	p_w , $H_a: p_m > p_w$. Clea	arly indicate the values of your				
(d) What is the result, in the context You should use a form of the word "						

(e) Draw a sketch showing the test statistic and p-value. (3 points)

- (f) Complete the following two way table: (6 points)
- (g) Find the marginal distribution of the variable "Lives with Parents." (2 points)

	Gender		
Lives with Parents	Male	Female	Total
Yes			
No			
Total			