Excel Project - Truth Tables

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Excel Project – Truth Tables		
You are working at UCLA and must create a spreadsheet to see three scholarships: the Alumni Scholarship , the Excellence Set See the back for the scholarship criteria.		
Part 1: For each program, write out the statement in symbol Alumni Scholarship	olic form and then create a trut	h table. (10 points
p = ACT score at least 29 q = GP greater than 3.6	Part 1	Grade Part 2
Symbolic Form:	_	
Excellence Scholarship		
p = ACT score greater than 30 q = GP at least 3.8 r = Passed at least 3 AP tests	Part 1	Grade Part 2
Symbolic Form: PAGNY F		
7		
Bruin Scholarship		
p = If they reside in California q = Their parent's income less than \$80,000 r = ACT score greater than 27	Part 1	Grade Part 2
Symbolic Form: PAYAT	_	
P T T T T T T T T T T T T T T T T T T T		

Part 2: Create a spreadsheet using Excel. Just like we did in the NHS example, you must create a column that will show "True" or "False" to see if each person qualifies for any of the three programs. You will make a column titled "Alumni," "Excellence," and "Bruin" and then have the computer input "True" or "False" to determine whether each student qualifies for the scholarship. (10 points)

- Students are eligible for the Alumni Scholarship if their ACT score is at least 29 and their GPA is
 greater than 3.6.
- Students are eligible for the Excellence Scholarship if their ACT score is greater than 30 and their GPA is 3.8 or higher, or they passed at least 3 AP tests.
- Students are eligible for the Bruin Scholarship if they reside in California, their parent's income is less than \$80,000, and their ACT score is greater than 27.

The following people and data must be added to the spreadsheet.

- Robert has a 34 ACT score, 3.9 GPA, and passed 4 AP tests. He lives in New Mexico and his parents' income is \$120,000.
- Priya has a 28 ACT score, 3.6 GPA, and passed 2 AP tests. She lives in California and her parents' income is \$70,000.
- Sheila has a 29 ACT score, 3.7 GPA, and passed 1 AP test. She lives in Wisconsin and her parents' income is \$90.000.

- income is \$120,000.
- Priya has a 28 ACT score, 3.6 GPA, and passed 2 AP tests. She lives in California and her parents' income is \$70,000.
- Sheila has a 29 ACT score, 3.7 GPA, and passed 1 AP test. She lives in Wisconsin and her parents' income is \$90,000.
- Sandeep has a 31 ACT score, 3.5 GPA, and passed 3 AP tests. He lives in California and his parents' income is \$75,000.
- Adam has a 28 ACT score, 3.2 GPA, and passed 1 AP test. He lives in California and his parents' income is \$100,000.
- Beatrice has a 33 ACT score, 4.0 GPA, and passed 2 AP tests. She lives in Montana and her parents' income is \$90,000.
- Talia has a 26 ACT score, 4.0 GPA, and passed 3 AP tests. She lives in California and her parents' income is \$75,000.

Your Excel sheet must be formatted properly, which includes using the correct formulas and headings. Make it look nice!

Final Instructions:

- · You may work with one other person.
- · Only ONE person needs to submit the assignment.
- · Submit it to the "Excel Project" assignment on Schoology.
- Include BOTH of your last names in the file name (example: "Montalbano_Messina_Excel Project.xlsx").
- · Please note the due date on Schoology. Two points will be deducted for each day late.
- When you submit it to Schoology, your spreadsheet may not work in the "preview window," but don't
 worry it works when I download it. Just ask if you want to verify!