



# ROUND #2

Gainesville College  
Mathematics Tournament  
For Two-Year Colleges  
April 3, 2004

In a survey of 200 undergraduate math majors at a certain college, the following information is obtained about the courses they are taking during spring semester:

81 are enrolled in Real Analysis

88 are enrolled in Differential Equations

# ROUND #3

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Solve for x:

$$3 \sqrt{1 \ 2 \sqrt{1 \ 3 \sqrt{1 \ 4 \sqrt{x}}}}$$





# ROUND #6

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A license plate is created by using three copies of the same letter chosen from the list below and any three numerals.

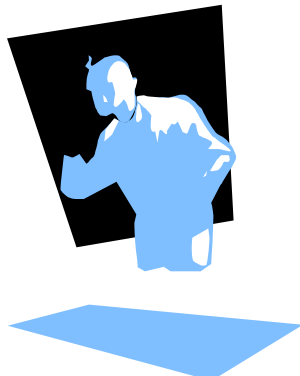
A	B	C	D	E	F	G	H	I	J
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Let the consonants be worth 2 points each and the v

# ROUND #7

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Sally, George and Frank were picking up their fast food orders: chicken tenders, whole granola, and a deluxe hot dog. "Who ordered what?" asked the man at the counter. George said, "I didn't order the deluxe hot dog." The boy who ordered the whole granola said, "Oh, I thought





**ROUND #9**



# ROUND #10

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Jerry's Pizza Parlor wants to sell circular pizzas and square pizzas. How long should the diagonal of each square pizza be in order to have the same area as a 16-inch diameter circular