

MA 110-91
§2.2 - 2.4

Quiz #4

score

Name: _____

16 February 2002

INSTRUCTIONS: Circle the correct response.

1. In a survey of 400 students, 175 say they enjoy playing tennis, 155 say they enjoy racquetball, and 185 enjoy playing neither. How many enjoy playing both? (7 points)
 - (a) 50
 - (b) 105
 - (c) 115
 - (d) 125
 - (e) None of the above
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2. How many different license tags can be made that consist of three uppercase letters followed by three digits? (6 points)
 - (a) 15,600,000
 - (b) 15,600
 - (c) 17,576,000
 - (d) 17,576
 - (e) None of the above
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3. How many ways can 10 textbooks be arranged in a row on a shelf? How many ways can they be arranged if 5 of the books are on physics, 5 are on math, and books of the same subject must be adjacent? (7 points)
 - (a) 3,628,800; 14,400
 - (b) 3,628,800; 28,800
 - (c) 3,628,800; 63,505
 - (d) 3,628,800; 252
 - (e) None of the above