

MA 110-11 §2.4	<b>Quiz #3</b>	score	Name: _____ 6 June 2002
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INSTRUCTIONS: Circle the correct response.

1. From among 12 people, a 5-person committee is formed and one of the five is appointed chair of the committee. How many different committees are possible? (NOTE: Two committees containing the same members but with different chairs are considered different.) (7 points)

(a) 1,024  
(b) 792  
(c) 3,960  
(d) 6,572  
(e) None of the above

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2. A soccer league has 12 teams. If each team plays each of the other teams exactly once, how many games will be played in all? (6 points)

(a) 11  
(b) 36  
(c) 132  
(d) 2,048  
(e) None of the above

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3. How many 5-card hands are possible from a standard deck of cards? Among all such hands, how many contain no matches in kind? (7 points)

(a) 2,598,960; 1,317,888  
(b) 2,598,960; 1,675,410  
(c) 2,598,960; 1,986,225  
(d) 2,598,960; 2,211,424  
(e) None of the above