

MA 110-91 §2.3 – 2.4	Quiz #4	score	Name: _____ 22 February 2003
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INSTRUCTIONS: Circle the correct answer on each of the following.

1. If 6 history books and 4 sociology books are lined up on a shelf (without any restrictions), in how many ways can this be done? What if books of the same subject must be adjacent? (7 points)

(a) 3628800; 17280
 (b) 3628800; 34560
 (c) 3628800; 69120
 (d) 362880; 17280
 (e) None of the above.

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2. In how many ways can a committee of 6 be formed from 8 juniors and 10 seniors so that there are twice as many seniors as juniors on the committee. (5 points)

(a) 45045
 (b) 43680
 (c) 5880
 (d) 34527437
 (e) None of the above.

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3. A softball league has 10 teams. In how many ways can first, second, and third place awards be made at the end of the season? (Assume no ties.) (5 points)

(a) 3628800
 (b) 120
 (c) 10560
 (d) 720
 (e) None of the above.

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4. From a standard 52-card deck, you select 4 cards. How many ways can all 4 cards come from the same suit? (5 points)

(a) 2860
 (b) 624
 (c) 5140
 (d) 2598960
 (e) None of the above.