MA 162 Exam 2 Fall 2007

Name: _____

10–digit PUID: _____

Lecturer: _____

Recitation Instructor: _____

Recitation Time: _____

Instructions:

1. This package contains 13 problems worth 7.5 points each.
2. Please supply <u>all</u> information requested. On the scantron sheet, print your name, your division–section number and 10 digit PUID number in addition to filling in the corresponding circles. You get 2.5 points for supplying all information correctly.
3. Work only in the space provided, or on the backside of the pages. Circle your choice for each problem in this booklet, and mark your answer on the scantron sheet.
4. No books, notes, calculator or any electronic devices, please.

A short table of trigonometric formulae you may or may not want to use:

$$2\cos\alpha\cos\beta = \cos(\alpha-\beta)+\cos(\alpha+\beta)$$
$$2\sin\alpha\sin\beta = \cos(\alpha-\beta)-\cos(\alpha+\beta)$$
$$2\sin\alpha\cos\beta = \sin(\alpha-\beta)+\sin(\alpha+\beta)$$

1. C 2. E 3. B 4. A 5. B 6. D

7. C 8. E 9. A 10. C 11. A 12. E

13. B