

You will have take home quizzes due on Tuesday, March 27, 2007 that will include exercises similar to some the following questions. You do not need to turn in your answers to these questions.

10.4 (continued)

Matrices without inverses: page 581 #15, 16, 21, 22.

Find the inverse of a matrix and use it to solve a system of equations: page 582 #27-34.

See Example 3 page 571.

Find the determinant of a given 2×2 or 3×3 matrix. There are no problems asking you to practice this in the text. Use page 593 #1-8. The determinants of these matrices are:

1. 3; 2. 5; 3. 18; 4. -1; 5. 2; 6. -10; 7. 12; 8. -40.

Section 10.5

Find the eigenvalues and eigenvectors for a given matrix. page 593 #1-8.