
1050 Week at a Glance:

Week 9

Math 1050-90

To Do:

For Lessons 8.1–8.3

8.1 Introduction to matrices

- Write a matrix and identify the order.
- Perform elementary row operations on matrices
- Use matrices and Gaussian elimination (row-echelon form) to solve systems of linear equations.
- Use matrices and Gauss-Jordan elimination (reduced row-echelon form) to solve systems of linear equations.
- Decide whether two matrices are equal.

8.2 Matrix operations

- Add and subtract matrices and multiply a matrix by a scalar.
- Multiply two matrices.
- Set up an $n \times n$ identity matrix.

8.3 Inverse of a matrix

- Verify that matrices are inverses of each other.
- Determine the inverse of a 2×2 matrix if it exists.
- Use Gauss-Jordan elimination to determine the inverse of a 3×3 matrix.
- Use inverse matrices to solve systems of linear equations.

Study Tip of the Week:

Remember to use the Tutoring Center on campus, if you're local. Also, keep putting up discussion items so other students and I can help you when you get stuck with the mathematics.

And, most importantly, don't give up. We only have three weeks left in this shortened summer schedule. You are more than two-thirds done with the class and just need one final push to the end.

- Book reading
- Print blank slides
- Watch lecture videos
- Practice Problems
- WebAssign Homework

Due by Sun 11 pm

- Canvas Quiz Week 9

Due by Mon of next week, 11 pm

- WebAssign HW 8.1
- WebAssign HW 8.2
- WebAssign HW 8.3