

Mrs Coursey's Algebra 2 Class Oct. 17, 2011

What is my child supposed to learn in Algebra 2?

The standards of success should be clear to every student, parent, and teacher. Many teachers, parents, and community leaders have contributed to the creation of standards for mathematics and language arts to be used across the United States beginning in 2009. These standards raise and clarify expectations for each grade level.

Look at the standards online for any grade at:

WWW.CORESTANDARDS.ORG/THE-STANDARDS/MATHEMATICS

CLASS NOTES

Last quarter, students in Algebra 2 learned to solve groups of three equations with three variables algebraically by separating the equations into groups of two equations and solving for one variable at a time. Because the process can be tedious, although a great exercise of logic and reasoning skills, students also learned to use the TI-84 calculator to solve these equations. Using a table, or matrix, to organize the pieces of the equation allows the calculator to easily solve the group of equations. Matrices or tables of data can also be added, subtracted, and multiplied. Students practiced completing these operations with matrices to increase their fluency with basic math facts and with a calculator as an important tool in many careers. Algebra 2 students will be reviewing these topics this week as well as learning to use matrices to move shapes such as triangles or squares in the coordinate plane.

Learning Targets for the Week

- I can add, subtract, and multiply matrices with and without technology.
- I can use addition, subtraction, and multiplication of matrices to solve problems.
- Review: I can solve a system containing three variables with and without technology.
- Review: I can solve algebraically a system containing three variables.

Learning Check This Friday!

Quiz topics this week include the following textbook lessons:

- 12-5 *Geometric Transformations & Matrices*
- 12-2 *Matrix Multiplication*
- 12-1 *Matrix Addition & Subtraction*
- 3-6 *Solving Systems Using Matrices*
- 3-5 *Systems With Three Variables*

ACT Test Info

Students can register to take the ACT test on Saturdays at many testing sites in the region. Go online to www.actstudent.org to register. Upcoming test dates include:

October 22, 2011
December 10, 2011
February 11, 2012
April 14, 2012
June 9, 2012