

# Mrs Coursey's Algebra 2 Class Oct. 24, 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](http://WWW.CORESTANDARDS.ORG/THE-STANDARDS/MATHEMATICS)

## CLASS NOTES

Last week students investigated patterns in geometric transformations on the coordinate plane. This week students will explore transformations of functions in the coordinate plane. Students will look at new and different ways to graph linear, quadratic, absolute value, and square root functions using characteristics of the graphs and equations.

## Learning Targets for the Week

- I can use transformations to draw the graph of a relation and determine a relation that fits a graph.
- Review: I can add, subtract, and multiply matrices with and without technology.
- Review: 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.

## *Learning Check This Friday!*

*Quiz topics this week include the following textbook lessons:*

- 2-6 *Function Families & Transformations*
- 2-7 *Absolute Value Functions & Transformations*
- 12-5 *Geometric Transformations & Matrices*
- 12-2 *Matrix Multiplication*
- 12-1 *Matrix Addition & Subtraction*
- 3-6 *Solving Systems Using Matrices*

## 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](http://www.actstudent.org) to register. Upcoming test dates include:

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