Interactive Whiteboard Activity
Coordinate Grid Battleship

Grade: 6th Grade/7th Grade

Subject: Mathematics

Arkansas Frameworks:

A.6.6.1
Complete, with and without appropriate technology, and interpret tables and line graphs that represent the relationship between two variables in quadrant I. Ex. time and distance.

A.6.7.1
Use tables and graphs to represent linear equations by plotting, with and without appropriate technology, points in a coordinate plane.

A.6.7.2
Represent, with and without appropriate technology, linear equations by plotting and graphing points in the coordinate plane using all four quadrants given data in a table from a real world situation.

Objectives:

Students will learn how to complete and interpret tables and line graphs that represent the relationship between two variables, use tables and graphs to represent linear equations by plotting points in a coordinate plane and represent linear equations by plotting and graphing points in the coordinate plane using all four quadrants given data in a table.

Materials:

1. Coordinate Grid Battleship Software
2. Promethean or White Board/Projector
Procedures:

1. First, I will explain the activity.

2. Next, students will explore the activity using the promethean software.

3. Then, we will have a whole class discussion and clarify any problematic issue with this assignment.

4. Finally, I will assign a non-graded homework assignment for more practice and discuss with my students during the week.

Assessment:

Assessment of my students will be through whole class discussion and a non-graded homework.

A Brief Description of Entire Lesson:

Our class will explore points in a coordinate plane, use tables and graphs to represent linear equations by plotting points in a coordinate plane and represent linear equations by plotting and graphing points in the coordinate plane using all four quadrants given data in a table using this promethean activity. We will have a whole class discussion and a non-graded homework assignment for assessment. This lesson may take more than one class period.