COLLEGE ALGEBRA
REAL NUMBER LINE PROJECT

On a sheet of colored paper, create a number line which contains the following:

- At least 4 Natural Numbers
- At least 3 Integers that are not Whole Numbers
- At least 2 Irrational Numbers
  - 1 Written as a Radical
  - 1 Written as a Decimal
- At least 5 Rational Numbers that are not Integers
- 3 Pairs of Numbers with the same Absolute Value

On a separate sheet of paper, do the following:

- For each number on your number line, use element and set notation to write which subsets each number belongs to.

- Choose 4 pairs of numbers from your number line. Use absolute value to determine the distance between each pair of points.

Please, staple the additional work to the back of your number line. Make sure your name is written on the back of your number line.

This project will be due <u>Wednesday, August 22, 2012</u>.