MAH Unit 9 Can You

Can you…

* Write linear equations in different forms given a combination of characteristics such as slope, intercepts, points, etc?
* Determine if a set of data is linear given a scatterplot or a list of data?
* Find the best line of fit using the regression function on your calculator and use this line and the data to answer follow up questions
* Solve equations graphically using intersections and/or zeros?
* Solve quadratic equations algebraically by factoring, completing the square, and the quadratic formula?
* Find the discriminant of a quadratic equation and determine the number of real solutions?
* Problem-solve applications of equations?
* Solve radical equations algebraically and identify any extraneous solutions?
* Solve rational equations algebraically and find points where they are undefined?
* Solve linear and non-linear inequalities algebraically and graphically?
* Solve absolute value inequalities algebraically (when appropriate) and graphically (when appropriate)?
* Know how to tell when you should solve absolute value inequalities algebraically or graphically?
* Solve a system of inequalities? Solve a real life application by linear programming?
* Write solutions in interval notation where appropriate?
* Understand and explain all concepts presented in class discussions, notes, worksheets, or homework?
* Complete all types of problems presented in class discussions, notes, worksheets, or homework?