

CP Algebra 2
Test #2
250 Points
Wednesday 2/22/12

I. Identifying Linear Patterns

- Given equations
- Given tables

II. Graphing Lines

- Table of Values
- X- and Y-intercepts
- Slope-Intercept Form

III. Writing Equations of Lines

- Given a Point and a Slope
- Given 2 Points
- Through a point, parallel to a given line
- Through a point, perpendicular to a given line
- Finding altitudes, perpendicular bisectors, and medians of a triangle (terms defined on test)
- Horizontal and Vertical Lines

IV. Solving Systems of Equations

- By Graphing
- By Substitution
- By Elimination
- Finding where altitudes, perpendicular bisectors, and medians intersect in a triangle.

V. Solving Systems of Inequalities

- Given the system of inequalities, graph the region that works.
- Given a shaded region, write the system of inequalities.

VI. Linear Regression

- Understand how to create a scatterplot
- Be able to interpret correlation
- Be able to input a data set in your calculator
- Be able to have the calculator determine the line of best fit
- Be able to use the line of best fit to make additional predictions

** This is the LAST GRADE for the grade period!

** You MUST bring your GRAPHING CALCULATOR to class!

** Look over Quiz #2 before taking this test! (Understand what you missed!)