Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ABC Book of Mathematical Terms

The purpose of this project is to write a book of definitions of mathematical terms that you learn this year. Have fun! Be creative!

* Each page of the book must be at least the size of a half-sheet of paper.

NO SMALLER!

* Choose one definition **and** a colordrawing or example for each word.
* Choose and complete 10 words from each unit. These words should be words that are new to you.
* Please complete the 10 words during the unit, as you discover the meaning.
* I will check your progress at the end of each unit.
* Each word needs to be on a separate page.
* Each page MUST be numbered and in order, according to the unit or in alphabetical order.
* The pages should be colorful, neat and CORRECT! GIVE EFFORT!!!
* Spelling and grammar will count.
* This project is worth 100 points.
* The completed project is due **Wed, June 7, 2017**.

Final Project Grade: Design \_\_\_\_\_\_/48 points

Terms \_\_\_\_\_\_/ 52 points

+ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Total \_\_\_\_\_\_/ 100 points

**Scoring Rubric for Math ABC Book**

|  |  |
| --- | --- |
| Cover of Book including Student’s First and Last Name, Teacher’s Name and Creative Title for Book (Examples - The ABC’s of Math, My Math ABC Book) | \_\_\_\_\_/5 points |
| Spelling/Grammar – The definitions must be written in complete sentences. All words should be spelled correctly. | \_\_\_\_\_/13 points |
| All information should be written in student’s own words. No Plagiarism! | \_\_\_\_\_/10 points |
| Creativity/Neatness/Effort – Overall Presentation of Book – All pages neatly bound together. (Examples – report cover, rings, folder, ribbon or yarn, composition book, etc.) | \_\_\_\_\_/10 points |
| Each page of the book should be neatly numbered and in the correct order, according to the unit or alphabetical order. | \_\_\_\_\_/5 points |
| Each mathematical term should be presented on a separate page. | \_\_\_\_\_/5 points |

\_\_\_\_\_\_/48 points TOTAL

**The ABC’s of Mathematical Terms-Examples**

|  |  |  |
| --- | --- | --- |
| A | Angles – Right, Obtuse, Acute  Adjacent Angles | \_\_\_\_\_/2 points |
| B | Bisector of an angle | \_\_\_\_\_/2 points |
| C | Complementary Angles  Congruence of Triangles(SSS, SAS, ASA, AAS, HL) | \_\_\_\_\_/2 points |
| D | Distance  Dilations | \_\_\_\_\_/2 points |
| E | Extrema of Quadratic Function  Exponential Growth and Decay | \_\_\_\_\_/2 points |
| F | Factoring Polynomials  Fraction | \_\_\_\_\_/2 points |
| G | Greatest Common Factor | \_\_\_\_\_/2 points |
| H | Height of a triangle | \_\_\_\_\_/2 points |
| I | Isosceles Triangle  Intersection  Inequalities | \_\_\_\_\_/2 points |
| J | Joining opposite rays | \_\_\_\_\_/2 points |
| K | Kite | \_\_\_\_\_/2 points |
| L | Logarithms  Line Segment | \_\_\_\_\_/2 points |
| M | Midpoint | \_\_\_\_\_/2 points |
| N | Number Line | \_\_\_\_\_/2 points |
| O | Obtuse Triangle | \_\_\_\_\_/2 points |
| P | Perpendicular Lines  Parallel Lines  Pythagorean Theorem  Polynomials | \_\_\_\_\_/2 points |
| Q | Quadratic Function  Quadratic Formula | \_\_\_\_\_/2 points |
| R | Reflections  Rotations  Radicals | \_\_\_\_\_/2 points |
| S | Supplementary Angles  Similar Triangles  Solutions for System of Equations | \_\_\_\_\_/2 points |
| T | Transformations  Translations | \_\_\_\_\_/2 points |
| U | Undefined Slope | \_\_\_\_\_/2 points |
| V | Vertex  Vertical angles | \_\_\_\_\_/2 points |
| W | Word problems | \_\_\_\_\_/2 points |
| X | X –intercept  X-axis | \_\_\_\_\_/2 points |
| Y | Y –intercept  Y-axis | \_\_\_\_\_/2 points |
| Z | Zeroes of a Quadratic Function | \_\_\_\_\_/2 points |

\_\_\_\_\_\_/ 52 points -TOTAL

**Each term must have a definition and a drawing or example to receive the 2 points.**