|  |  |  |
| --- | --- | --- |
| Planning Paradise – Rubric (Chapters 6 and 7)  **Project Piece** | **Description** | **Points Possible** |
| **Trapezoid**  *All Perimeters and Areas MUST be supported with the proper calculations!* | Object \_\_\_\_\_/1  Side Lengths (1 point for length, 1 for units)\_\_\_\_\_/2  Angle Measures (1 point for each pair labeled)\_\_\_\_\_/2  Blueprint Shape and Actual Shape Drawn \_\_\_\_\_/2  Scale Factor \_\_\_\_\_/1  Ratios of Sides and Ratio of Angles \_\_\_\_\_/2  Perimeter Equation: \_\_\_\_\_/1  Perimeter of Scale Model with correct units \_\_\_\_/2  Perimeter of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Perimeters \_\_\_\_\_/1  Area of Scale Model with correct units \_\_\_\_/2  Area of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Areas \_\_\_\_\_/1  Enlargement/Reduction \_\_\_\_\_/1 | **\_\_\_\_\_\_\_\_/22** |
| **Parallelogram**  *All Perimeters and Areas MUST be supported with the proper calculations!* | Object \_\_\_\_\_/1  Side Lengths (1 point for length, 1 for units)\_\_\_\_\_/2  Angle Measures (1 point for each pair labeled)\_\_\_\_\_/2  Blueprint Shape and Actual Shape Drawn \_\_\_\_\_/2  Scale Factor \_\_\_\_\_/1  Ratios of Sides and Ratio of Angles \_\_\_\_\_/2  Perimeter Equation: \_\_\_\_\_/1  Perimeter of Scale Model with correct units \_\_\_\_/2  Perimeter of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Perimeters \_\_\_\_\_/1  Area of Scale Model with correct units \_\_\_\_/2  Area of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Areas \_\_\_\_\_/1  Enlargement/Reduction \_\_\_\_\_/1 | **\_\_\_\_\_\_\_\_/22** |
| **Rhombus**  *All Perimeters and Areas MUST be supported with the proper calculations!* | Object \_\_\_\_\_/1  Side Lengths (1 point for length, 1 for units)\_\_\_\_\_/2  Angle Measures (1 point for each pair labeled)\_\_\_\_\_/2  Blueprint Shape and Actual Shape Drawn \_\_\_\_\_/2  Scale Factor \_\_\_\_\_/1  Ratios of Sides and Ratio of Angles \_\_\_\_\_/2  Perimeter Equation: \_\_\_\_\_/1  Perimeter of Scale Model with correct units \_\_\_\_/2  Perimeter of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Perimeters \_\_\_\_\_/1  Area of Scale Model with correct units \_\_\_\_/2  Area of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Areas \_\_\_\_\_/1  Enlargement/Reduction \_\_\_\_\_/1 | **\_\_\_\_\_\_\_\_/22** |
| **1st Page Total** |  | **\_\_\_\_\_\_\_/66** |
| **Square**  *All Perimeters and Areas MUST be supported with the proper calculations!* | Object \_\_\_\_\_/1  Side Lengths (1 point for length, 1 for units)\_\_\_\_\_/2  Angle Measures (1 point for each pair labeled)\_\_\_\_\_/2  Blueprint Shape and Actual Shape Drawn \_\_\_\_\_/2  Scale Factor \_\_\_\_\_/1  Ratios of Sides and Ratio of Angles \_\_\_\_\_/2  Perimeter Equation: \_\_\_\_\_/1  Perimeter of Scale Model with correct units \_\_\_\_/2  Perimeter of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Perimeters \_\_\_\_\_/1  Area of Scale Model with correct units \_\_\_\_/2  Area of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Areas \_\_\_\_\_/1  Enlargement/Reduction \_\_\_\_\_/1 | **\_\_\_\_\_\_\_\_/22** |
| **Rectangle**  *All Perimeters and Areas MUST be supported with the proper calculations!* | Object \_\_\_\_\_/1  Side Lengths (1 point for length, 1 for units)\_\_\_\_\_/2  Angle Measures (1 point for each pair labeled)\_\_\_\_\_/2  Blueprint Shape and Actual Shape Drawn \_\_\_\_\_/2  Scale Factor \_\_\_\_\_/1  Ratios of Sides and Ratio of Angles \_\_\_\_\_/2  Perimeter Equation: \_\_\_\_\_/1  Perimeter of Scale Model with correct units \_\_\_\_/2  Perimeter of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Perimeters \_\_\_\_\_/1  Area of Scale Model with correct units \_\_\_\_/2  Area of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Areas \_\_\_\_\_/1  Enlargement/Reduction \_\_\_\_\_/1 | **\_\_\_\_\_\_\_\_/22** |
| **Kite**  *All Perimeters and Areas MUST be supported with the proper calculations!* | Object \_\_\_\_\_/1  Side Lengths (1 point for length, 1 for units)\_\_\_\_\_/2  Angle Measures (1 point for each pair labeled)\_\_\_\_\_/2  Blueprint Shape and Actual Shape Drawn \_\_\_\_\_/2  Scale Factor \_\_\_\_\_/1  Ratios of Sides and Ratio of Angles \_\_\_\_\_/2  Perimeter Equation: \_\_\_\_\_/1  Perimeter of Scale Model with correct units \_\_\_\_/2  Perimeter of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Perimeters \_\_\_\_\_/1  Area of Scale Model with correct units \_\_\_\_/2  Area of Actual Shape with correct units \_\_\_\_\_/2  Ratio of Areas \_\_\_\_\_/1  Enlargement/Reduction \_\_\_\_\_/1 | **\_\_\_\_\_\_\_\_/22** |
| **Cover Page** | Name, Company, Picture, Room you are creating \_\_\_\_\_/4 | **\_\_\_\_\_\_\_\_/4** |
| **2nd Page Total** |  | **\_\_\_\_\_\_\_/70** |
| **Blueprint** | Colorful layout with all **6 quadrilaterals** as furniture with reasonable scale model dimensions (2 points per object – **1 point dimensions**, **1 point color**) \_\_\_\_\_/12 | **\_\_\_\_\_\_\_\_/12** |
| **Reflection** | What did you enjoy most about this project? \_\_\_\_\_/1  What would you change? \_\_\_\_\_/1  What was the coolest thing that you **learned**? \_\_\_\_\_/1  How will you continue to use this information? \_\_\_\_/1  Where else are quadrilaterals used in real life? \_\_\_\_/1  **Typed, double spaced, no grammar/spelling errors, about 1 page** \_\_\_\_\_/2 | **\_\_\_\_\_\_\_\_/7** |
| **Who Am I? WS** | Completed with an answer and reason why for all 7 descriptions (0.5 points per correct answer, 0.5 point per reason why) | **\_\_\_\_\_\_\_\_/7** |
| **Hierarchy of Quadrilaterals WS** | Completed notes sheet with all 7 quadrilaterals (0.5 points for each correct property, 0.5 points for note on Isosceles Trapezoid) | **\_\_\_\_\_\_\_\_/12** |
| **Shape Finders WS** | Completed table with all 7 quadrilaterals (0.5 points for correct drawings, 0.5 points for correct name, 1 point for properties) | **\_\_\_\_\_\_\_\_/14** |
| **3rd Page Total** |  | **\_\_\_\_\_\_\_/52** |
| **1st Page Total** |  | **\_\_\_\_\_\_\_/66** |
| **2nd Page Total** |  | **\_\_\_\_\_\_\_/70** |
| **Total** |  | **\_\_\_\_\_\_\_/188**  **= \_\_\_\_\_\_%** |