

**Geometry**  
**Unit 6 Assignment**

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

**Task:** Create a 12cm by 12cm stained glass-effect artwork that has examples of different types of quadrilaterals. In addition, describe in your own words the symmetry and properties of each quadrilateral by referring to the examples in your artwork.

**Due:** The day before Unit 6 test day – **Monday, November 25.**

**Please hand in all of the following, stapled together with this sheet on top.**

- *Rough copy:* Create a 12cm by 12cm design on piece of paper. Your design needs to include at least one example of each quadrilateral below. (It may contain other shapes but should mainly rely on these.)

Isosceles trapezoid  
 Parallelogram

Rectangle  
 Rhombus

Square  
 Trapezoid

- *Final copy:* Convert and transfer your 12cm by 12cm design onto a thin piece of paper or any material that is translucent, and add a 1cm frame around your design. Color in your design with markers, crayons, and/or colored pencils that will allow for light to still come through. Cut out your design with a 1cm frame around the whole design.

- *Written description:* On the back of this sheet, describe in your own words how you used each type of quadrilateral in your artwork. This should be one paragraph long.

**Rubric:**

**/20**

Criteria	4	3	2	1
<b>Rough copy</b>	Show development, planning of quadrilaterals, detailed with coloring, neat	Has a good sense of final work, shows quadrilaterals, no details	Rough sketch of final work, missing quadrilaterals	Incomplete ideas, design, and/or plans
<b>Final copy: creativity and presentation</b>	Interesting design, has sense of style and color, presented on translucent material	Good design and use of color, symmetrical or has obvious design, may be on regular paper	Only the basic quadrilaterals used in design - bare minimum work	No color or no design evident
<b>Final copy: use of quadrilaterals</b>	Creative use of quadrilaterals (how they are put together and integrated), all six types easy to identify	At least five types of quadrilaterals identifiable, may use other shapes when quadrilaterals could be used	At least three types of quadrilaterals used, design relies mainly on other shapes	Less than three types of quadrilaterals evident
<b>Written description</b>	Thoughtful explanation of process with specific examples from work	Explanation of process present but is vague or has minor errors	Basic explanation of quadrilateral use in the artwork, no specific examples or several errors	Explanation very difficult to follow or does not seem to relate to artwork