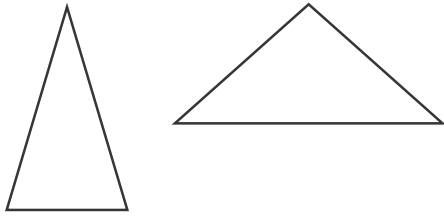


Name _____

1. Which of the following correctly describes the triangles? Select all that apply. **1 point**

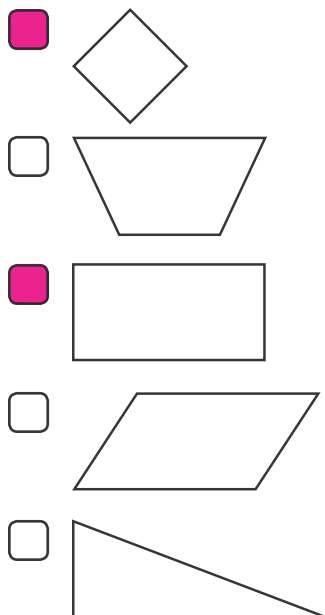


- Both triangles are isosceles.
 Both triangles have a right angle.
 Both triangles have an obtuse angle.
 Both triangles are equilateral.
 Both triangles have two acute angles.

2. Which statement is true? **1 point**

- (A) Trapezoids are squares.
 (B) A rhombus is a trapezoid.
 (C) Trapezoids are quadrilaterals.
 (D) Parallelograms are squares.

3. Select the shapes that are rectangles. **1 point**

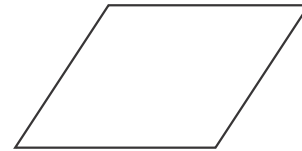


4. This tile has two pairs of parallel sides. What type of quadrilateral is it? Explain. **2 points**



Parallelogram; there are two pairs of parallel sides.

5. Identify the figure below using as many names as possible. **1 point**

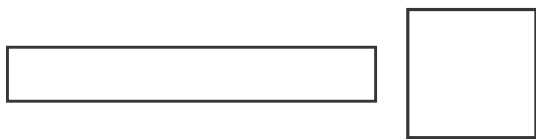


Quadrilateral, Parallelogram, Rhombus

6. Claim 1: A trapezoid is a quadrilateral because it has four sides.
 Claim 2: A trapezoid is a parallelogram because it has a pair of parallel sides.
 Which claim is correct? Explain. **2 points**

Claim 1 is correct. Trapezoids are quadrilaterals because they have 4 sides. However, trapezoids are not parallelograms because they only have 1 pair of parallel sides.

7. Look at the rectangle and square below.



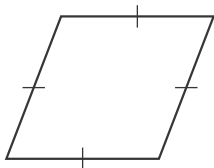
A. How are the two figures the same? **1 point**

Both have opposite sides parallel, and all of the angles are right angles.

B. How are the two figures different? **1 point**

The square has 4 sides of the same length; the rectangle has opposite sides the same length.

8. Identify the figure below using as many names as possible. **1 point**



Quadrilateral, Parallelogram, Rhombus

9. Identify the figure below using as many names as possible. **1 point**

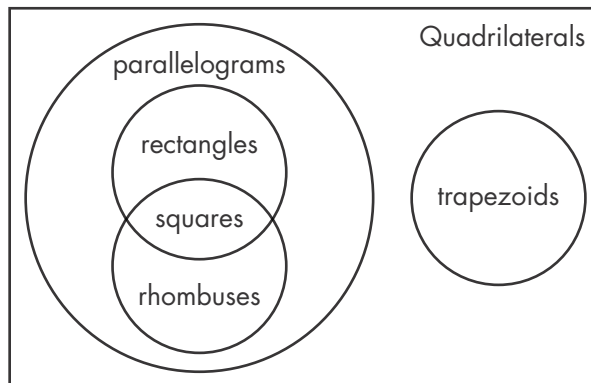


Quadrilateral, Parallelogram, Rectangle

10. What shape has only one pair of opposite sides that are parallel and does **NOT** have four right angles? **1 point**

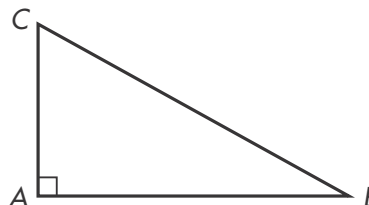
- (A) Square (C) Rectangle
(B) Trapezoid (D) Rhombus

11. Use the Venn diagram. Are trapezoids always, sometimes, or never also parallelograms? Explain. **2 points**



Never; Sample answer: The circles for trapezoids and parallelograms do not overlap, so trapezoids are never parallelograms.

12. Describe triangle ABC in terms of its sides and angles. **2 points**



Scalene, Right