

Name _____

- What category does a rhombus fall under?
 - (A) Quadrilateral; because it has 4 right angles
 - (B) Parallelogram; because it has opposite sides the same length
 - (C) Trapezoid; because it has 4 sides
 - (D) Square; because it has 4 right angles

- Use the words in the box below. Write the other names for each shape in the correct columns.

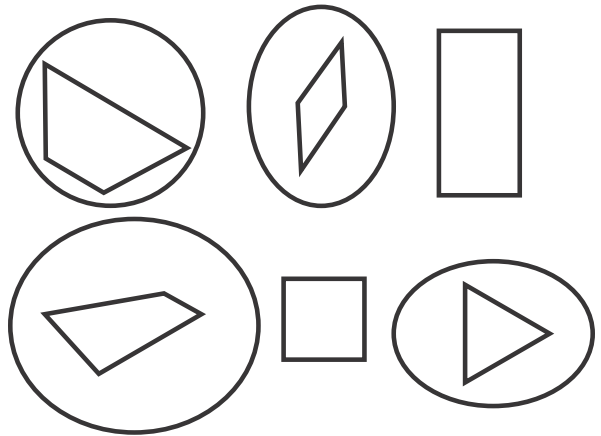
Trapezoid	Square

rectangle	parallelogram
rhombus	quadrilateral

- Name and draw a picture of a convex polygon with 4 unequal sides.

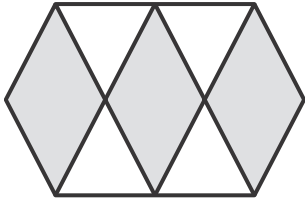
- What are the possible shapes a parallelogram with 4 equal length sides could be?

- The shapes are sorted into two groups—circled and not circled. How are the shapes in the two groups different?



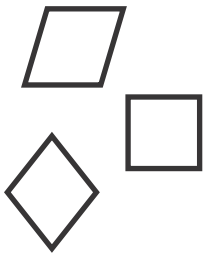
- Select all of the true statements.
 - A rhombus is a quadrilateral.
 - A square is a rectangle.
 - All quadrilaterals are parallelograms.
 - A triangle with a right angle is a square.
 - A rectangle with equal length sides is a square.

7. What polygons did Tomas use to make the quilt design? What do the shapes have in common?

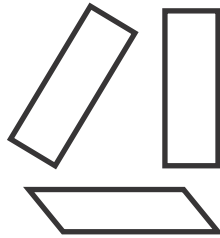


8. Look at each group.

Group 1



Group 2



- A. How are the two groups alike?

- B. How are the two groups different?

9. Which statement must be true about a quadrilateral?

- (A) It is a trapezoid.
- (B) It has four sides.
- (C) It has four right angles.
- (D) It has one pair of sides that never cross.

10. Is a trapezoid always a quadrilateral? Explain.

11. Name and draw a quadrilateral that is **NOT** a trapezoid or rhombus. Is there another shape you could have drawn? Explain.