Name _____

1. What category does a rhombus fall under?

Ⓐ Quadrilateral; because it has 4 right angles

Ⓑ Parallelogram; because it has opposite sides the same length

Ⓒ Trapezoid; because it has 4 sides

Ⓓ Square; because it has 4 right angles

2. Use the words in the box below. Write the other names for each shape in the correct columns.
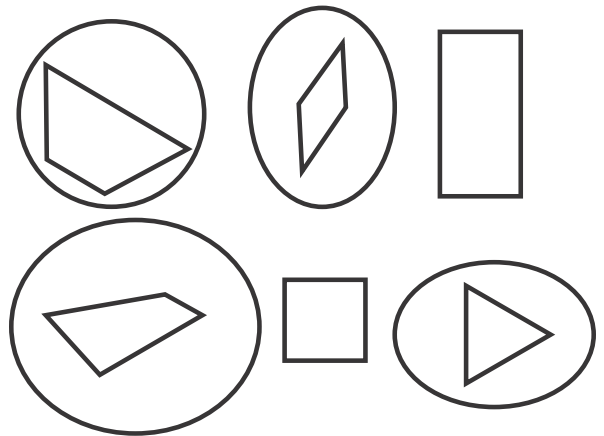
Trapezoid	Square

rectangle	parallelogram
rhombus	quadrilateral

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

4. What are the possible shapes a parallelogram with 4 equal length sides could be?
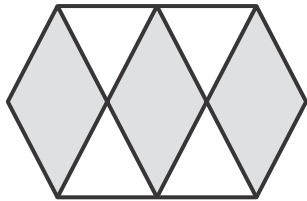
5. The shapes are sorted into two groups—circled and not circled. How are the shapes in the two groups different?
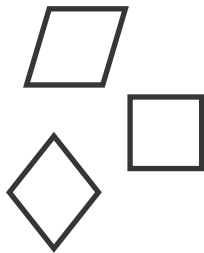
6. Select all of the true statements.

☐ 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?
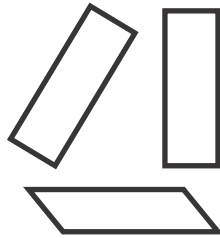

8. Look at each group.

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?

Ⓐ It is a trapezoid.

Ⓑ It has four sides.

Ⓒ It has four right angles.

Ⓓ 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.