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4.G.A.2 Basic Concepts About Quadrilaterals Part 1

4.G.A.2: Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles.

Give what is asked in each item and then write your answers on the space provided.

1. Name the quadrilateral being described.

a. a quadrilateral with opposite sides parallel
b. a parallelogram whose angles are all right

Answers:
 a. _____
 b. _____

2. Draw one example of each of the following:

a. a quadrilateral with one pair of parallel sides
b. a quadrilateral having no right angle and all sides have equal length

Answer:
a.   b.

3. Write True if the statement is true and write False if otherwise.

a. All squares are rectangles.   _____
b. A square is not a rhombus.   _____
c. A rectangle is a parallelogram.   _____
d. A trapezoid is a regular polygon.   _____

4. Name these quadrilaterals.

a.   b.   c.

Answers:
a. _____   c. _____
b. _____

5. What type of polygon is shown in the design found in the photo?

Answers:

6. How many of the polygons below are quadrilaterals?

Answers:

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Answer Key

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Give what is asked in each item and then write your answers on the space provided.

1. Name the quadrilateral being described.

a. a quadrilateral with opposite sides parallel
b. a parallelogram whose angles are all right

Answers:
 a. __parallelogram_____
 b. __rectangle_____

2. Draw one example of each of the following:

a. a quadrilateral with one pair of parallel sides
b. a quadrilateral having no right angle and all sides have equal length

Answer:
a.   b.

3. Write True if the statement is true and write False if otherwise.

a. All squares are rectangles.   _____True_____
b. A square is not a rhombus.   _____False_____
c. A rectangle is a parallelogram.   _____True_____
d. A trapezoid is a regular polygon.   _____False_____

4. Name these quadrilaterals.

a.   b.   c.

Answers:
a. _____square_____   c. ____trapezoid____
b. ____rectangle_____

5. What type of polygon is shown in the design found in the photo?

Answers:
rhombus

6. How many of the polygons below are quadrilaterals?

Answers:
2