MY Homework

Homework Helper eHelp

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A tour bus is shown at the right. Describe the attributes of the quadrilateral outlined in yellow. Then classify it.

The quadrilateral has opposite sides that are equal in length and parallel.
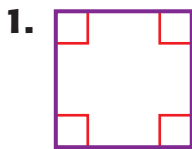
It has four right angles.
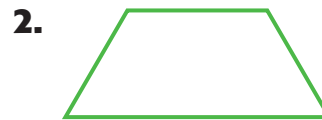
So, the quadrilateral is a rectangle.

Lady Liberty!

Practice

Describe the attributes of each quadrilateral. Then classify the quadrilateral.

1.

There are 4 right angles and 4 equal sides. Opposite sides are parallel; square

2.

One pair of parallel sides; trapezoid

3. Circle the quadrilateral(s) that do *not* have all the attributes of a parallelogram.

rectangle   rhombus   square   ⬭ trapezoid

Problem Solving

Mathematical PRACTICE 7 **Identify Structure** Check all the quadrilaterals that have the given attributes.

My home is made of many shapes!

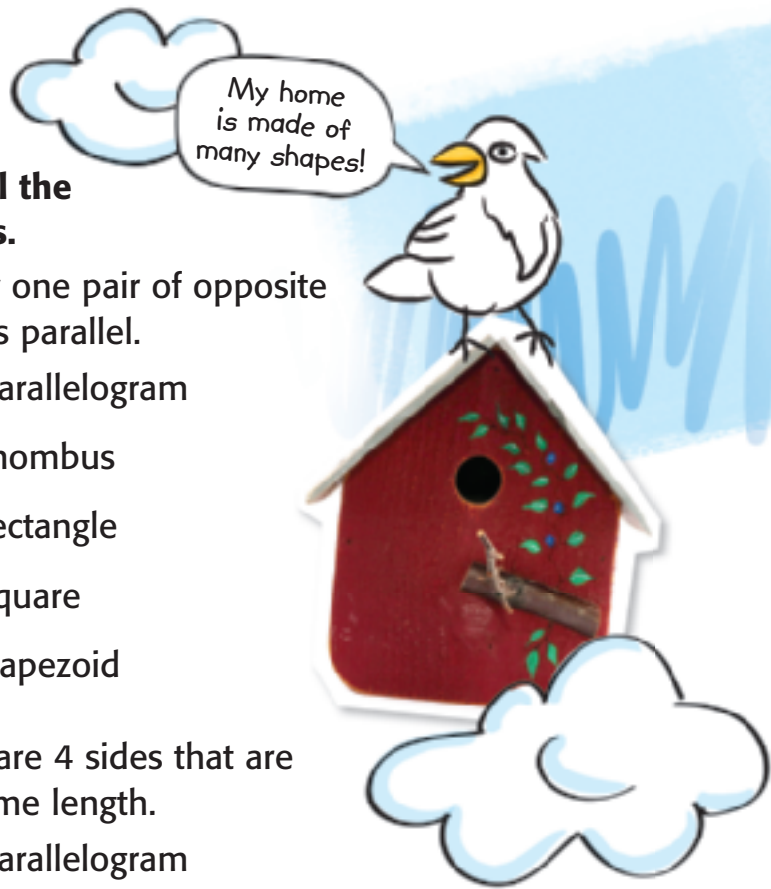**4.** Both pairs of opposite sides are parallel.

- ✔ parallelogram
- ✔ rhombus
- ✔ rectangle
- ✔ square
- ☐ trapezoid

5. Exactly one pair of opposite sides is parallel.

- ☐ parallelogram
- ☐ rhombus
- ☐ rectangle
- ☐ square
- ✔ trapezoid

6. There are four right angles.

- ☐ parallelogram
- ☐ rhombus
- ✔ rectangle
- ✔ square
- ☐ trapezoid

7. There are 4 sides that are the same length.

- ☐ parallelogram
- ✔ rhombus
- ☐ rectangle
- ✔ square
- ☐ trapezoid

Vocabulary Check

Fill in each blank with a word that makes each sentence true.

8. A square is a parallelogram with __four__ right angles and four sides that are the same length.

9. Sides that are the same distance apart are __parallel__ sides.

Test Practice

10. Which of these shapes appears to be a quadrilateral, but *not* a parallelogram?

Ⓐ Ⓑ Ⓒ Ⓓ

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