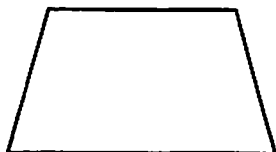# SKILL 9: Classifying Quadrilaterals

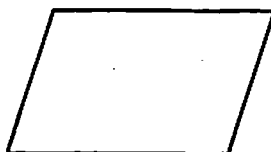Some quadrilaterals have special names.

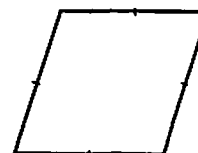| **trapezoid**	**parallelogram**	**rhombus**

exactly one pair of parallel sides

two pairs of parallel sides

parallelogram with all sides the same length

rectangle	**square**
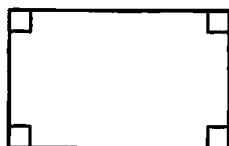
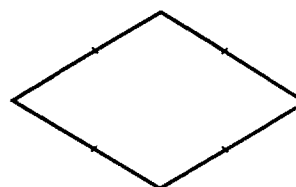parallelogram with four right angles
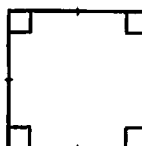
rectangle with all sides the same length

Example

> **Give all the special names that apply to the quadrilateral.**
>
> Two pairs of sides are parallel. Since two pairs of sides of the quadrilateral are parallel, it is a parallelogram.
>
> All sides have the same length, so the quadrilateral is also a rhombus.

Guided Practice

Give all the special names that apply to the quadrilateral.
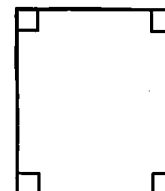
1. Does the quadrilateral have any parallel sides? _____

2. If so, how many pairs? _____

3. What name is given to a quadrilateral with that many pairs of parallel sides? _____

4. Are all sides the same length? _____
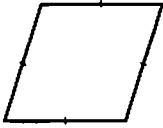
5. How many right angles are there? _____

6. What is another name for the quadrilateral? _____

SKILL 9: Practice

Classify each quadrilateral. Give all the special names that apply.

1.

_____

_____

2.
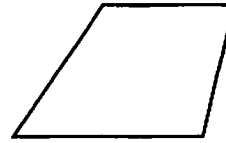
_____

_____

3.

_____

_____

4.

_____

_____
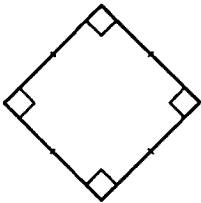
5.

_____

_____

6.

_____

_____
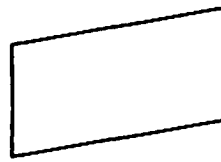
7. The neck and face in the drawing use special quadrilaterals.
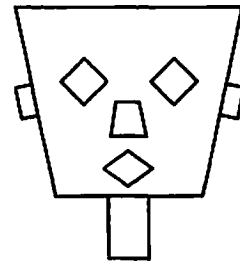   Write the most precise name for each part of the drawing.

   eyes _____   ears _____

   nose _____   mouth _____
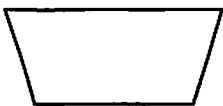
   neck _____   face _____

TEST PREP

8. What is the most precise name
   for this quadrilateral?

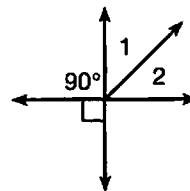   *Skill 9*

   A parallelogram   C rhombus
   B quadrilateral   D trapezoid

9. What term best describes ∠1
   and ∠2?

   Skill 1

   90° 1 2

   F complementary   H supplementary
   G perpendicular   J vertical