





LESSON 7-7 Practice B
Quadrilaterals


Give all of the names that apply to each quadrilateral.


1.  parallelogram,
rectangle

2.  parallelogram

3.  kite

4.  trapezoid

5.  parallelogram,
rhombus


6.  parallelogram,
square, rectangle
rhombus


Tell if each statement is true or false. Explain your answer.

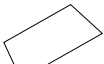
7. Some rhombuses are parallelograms. **Possible answers:**
False; All rhombuses are parallelograms that have four congruent sides.
8. All trapezoids are rhombuses.
False; A trapezoid does not have four congruent sides.
9. Some parallelograms are squares.
True; All squares have two pairs of parallel sides.
10. All kites are rhombuses.
False; A kite does not have four congruent sides.

LESSON 7-7 Practice C
Quadrilaterals

Give all of the names that apply to each quadrilateral.

1.  kite

2.  parallelogram,
rhombus

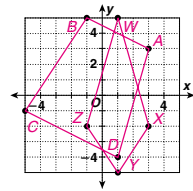
3.  trapezoid

Tell if each statement is true or false. Explain your answer.

4. Some trapezoids are rectangles.
False; A trapezoid has only one pair of parallel sides.
5. Some squares are rhombuses.
False; All squares are rhombuses.







Name the types of quadrilaterals with each feature.

6. one pair of parallel sides trapezoid
7. four congruent sides rhombus, square
8. Graph the points $A(3, 3)$, $B(-1, 5)$, $C(-5, -1)$, and $D(1, -4)$ and draw quadrilateral $ABCD$. What quadrilateral did you draw?
trapezoid
9. Graph the points $W(1, 5)$, $X(3, -2)$, $Y(1, -5)$, and $Z(-1, -2)$ and draw quadrilateral $WXYZ$. What quadrilateral did you draw?
kite






LESSON 7-7 Reteach
Quadrilaterals

Quadrilaterals are polygons that have 4 sides. In the figures below, arrows are used to indicate parallel sides, and tick marks are used to indicate congruent sides.

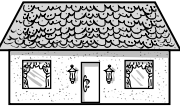
- A **trapezoid** is a quadrilateral with only one pair of parallel sides. 
- A **parallelogram** is a quadrilateral with two pairs of parallel sides. 
- A **kite** is a quadrilateral that has exactly two pairs of adjacent sides congruent. 
- A **rhombus** is a parallelogram with all four sides congruent. 
- A **rectangle** is a parallelogram with all four angles congruent. 
- A **square** is a rectangle with all four sides congruent. 


Use the figures to complete the statements.


1. The figure is a trapezoid since it has one pair of parallel sides. 
2. The figure is a parallelogram and a rhombus and a kite since it has two pair(s) of parallel sides, and four sides are congruent. 
3. The figure is a parallelogram and a rhombus and a rectangle and a square since it has two pair(s) of parallel sides, four angles are congruent, and four sides are congruent. 

LESSON 7-7 Challenge
It's Only a Quadrilateral!

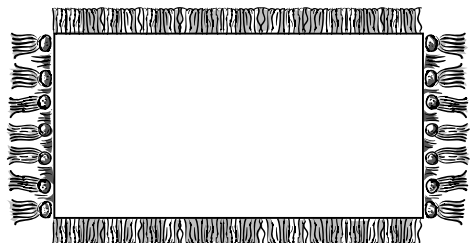
Match each picture with the list showing which quadrilaterals are found in the picture.

1.  List A:
kite
rhombus
trapezoid
rectangle

2.  List B:
trapezoid
rectangle
square
parallelogram

3.  List C:
rhombus
rectangle
square
parallelogram

4. Draw a design on the rug using only the following quadrilaterals: trapezoid, rectangle, and rhombus. You can use as many of each figure as you like, but all must be used at least once.



Answers will vary, but student's designs should include only trapezoids, rectangles, and rhombi, no kites, or parallelograms that are not rectangles.