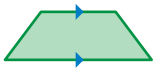
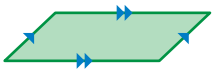
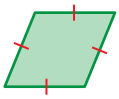
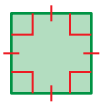
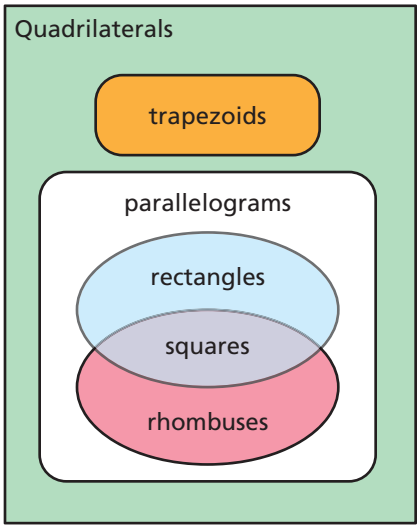
REVIEW: Quadrilaterals

Name _____

Key Concept and Vocabulary

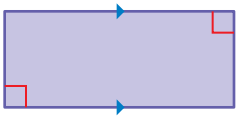
Quadrilateral	Diagram
A *trapezoid* has exactly 1 pair of parallel sides.	
A *parallelogram* has 2 pairs of parallel sides	
A *rectangle* is a parallelogram with 4 right angles.	
A *rhombus* is a parallelogram with 4 congruent sides.	
A *square* is a parallelogram with 4 right angles and 4 congruent sides.	

Visual Model



Skill Example

1. The quadrilateral has 4 right angles. The 4 sides are not congruent. The quadrilateral is a rectangle.



Application Example

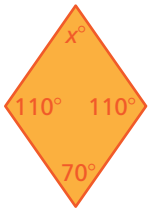
2. The sum of the angle measures of a quadrilateral is 360°. Find the value of x in the rhombus.

$x + 110 + 70 + 110 = 360$

$x + 290 = 360$

$x = 70$

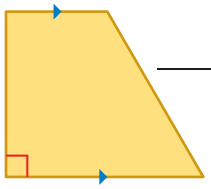
∴ The value of x is 70.

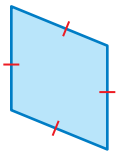


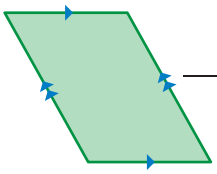
PRACTICE MAKES *PURR*-FECT™

Check your answers at BigIdeasMath.com.

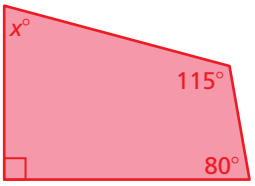
Classify the quadrilateral.

3.  _____

4.  _____

5.  _____

6. ANGLE MEASURE Find the value of x in the quadrilateral. _____



7. RHOMBUS A quadrilateral has 4 right angles. Can the quadrilateral be classified as a rhombus? Explain.

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