

QUADRILATERALS

DEFINE: Quadrilateral



Quadrilaterals

Not Quadrilaterals



1.* Define *trapezoid*.



Note: Matching arrows in a diagram indicate parallel segments.

Clue: You can use words in these definition that you previously defined.

2. Define *kite*.





3. Define *parallelogram*.



4. Define *rhombus*.



Both polygons are parallelograms.

5.* Define *rectangle*.



Both polygons are parallelograms.

6.* Define *square*.



Quadrilateral *PQRS* is a rectangle.

The diagram shows properties of different types of quadrilaterals and how they are related. When identifying a quadrilateral, use the name that is most specific.



Do you understand?





Do you understand?



Find the value of *x*.

Unit 4: 12.4 Constructing a Quadrilateral

Draw a parallelogram with 60° angle and a 120° angle.

Step 1: Draw a line.

Step 2: Draw a 60° angle and a 120° angle that each have one side on the line.



Step 3: Draw the remaining side. Make sure that both pairs of opposite sides are parallel and congruent.



Draw your parallelogram in the space below.



Practice:

Draw a right trapezoid whose parallel sides have lengths of 3 centimeters and 5 centimeters.



Draw your trapezoid in the space below.

space belon:		
	<u></u>	

Classwork

Classify the quadrilateral.









Classwork

Find the value of *x*.





Classwork

7. For a science fair, you are displaying your project on a trapezoidal piece of poster board. What is the measure of the missing angle

