

# 8.6 Review

Complete the chart. Put an X in the box if the shape *always* has the given property.

1 pr opp side  $\cong$

Property	$\square$	Rectangle	Rhombus	Square	Kite	Trapezoid
1. Both pairs of opposite sides are congruent.	X	X	X	X		
2. Both pairs of opposite angles are congruent.	X	X	X	X		
3. Exactly one pair of opposite sides are congruent.						
4. Exactly one pair of opposite sides are parallel.						X
5. Exactly one pair of opposite angles are congruent.					X	
6. Consecutive angles are supplementary. $180^\circ$	X	X	X	X		
7. Diagonals $\cong$		X		X		
8. Diagonals $\perp$			X	X	X	
Diagonals bisect	X	X	X	X		

isos Trap

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

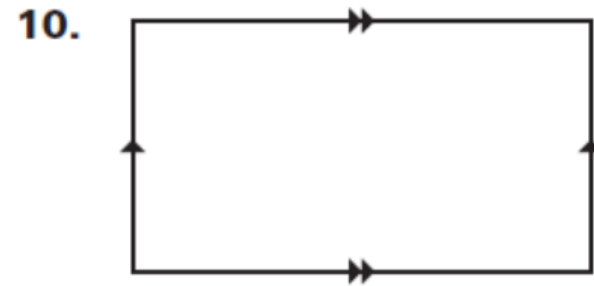
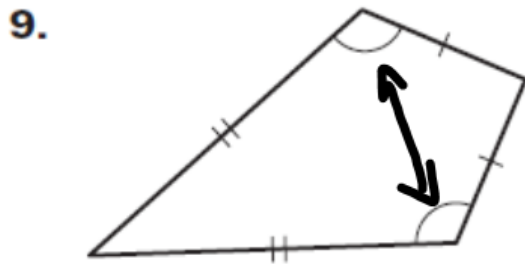
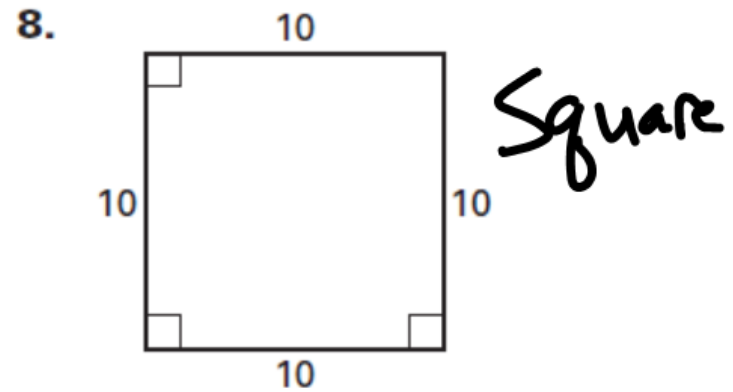
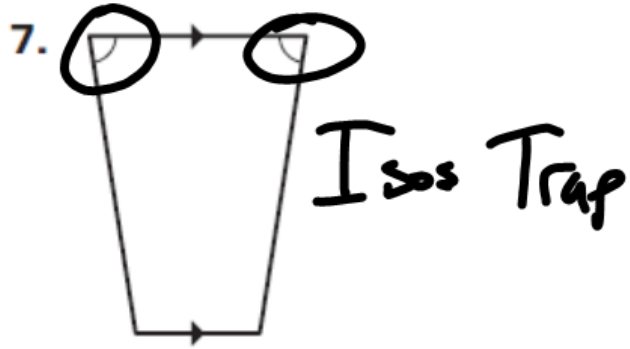
X

X

X

X

Give the most specific name for the quadrilateral. *Explain.*



*Kite*

*Parallelogram*

# Categories for family tree

2 sets of parallel  
sides

1 set parallel

No parallel

rectangle

trapezoid

kite

rhombus

isos trapezoid

Square

\* parallelogram

Quadrilateral