

Quadrilateral Properties

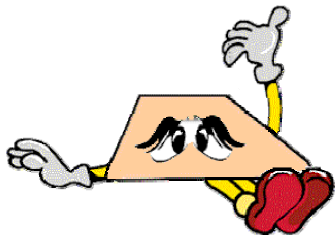
Quadrilaterals.gsp

Name _____



From the menu page, choose “Parallelogram”, and complete the chart.

Click on the highlight bar called:	DRAG point A to see what happens.	Your Answer:
<Show Side Measures>	Are the opposite sides always congruent?	
<Hide Side Measures>		
<Show Angle Measures>	Are the opposite angles always congruent?	
	Are the consecutive angles always supplementary?	
<Hide Side Measures>		
<Show Angles formed by Diagonals>	Are the diagonals always perpendicular to each other?	
<Hide Angles formed by Diagonals>		
<Show Diagonals and Measures>	Are the diagonals always congruent to each other?	
	Do the diagonals always bisect each other?	



Transfer your parallelogram answers to the chart below, and fill in the other members of the quadrilateral family in the same investigative style.

Properties of the Quadrilateral Family

Properties	Parallelogram	Rectangle	Rhombus	Square	Isosceles Trapezoid
Opposite Sides Always Congruent?					
Opposite Angles Always Congruent?					
Consecutive Angles Always Supplementary?					
Diagonals Always Perpendicular?					
Diagonals Always Congruent?					
Diagonals Always Bisect Each Other?					