

# **Quadrilateral Properties**

**Name** = \_\_\_\_\_

Enter True (T) or False (F) for each of the possible cases:

Then it is also a...	If quadrilateral ABCD is a ...				
	Trapezoid	Parallelogram	Rhombus	Rectangle	Square
Trapezoid					
Parallelogram					
Rhombus					
Rectangle					
Square					

Enter True (T) or False (F) for each of the possible statements and for the [converse](#) of the statement:

Then its ...	If quadrilateral ABCD is a ...									
	Trapezoid		Parallelogram		Rhombus		Rectangle		Square	
	Original	Converse	Original	Converse	Original	Converse	Original	Converse	Stat.	Converse
Opposite sides are =										
Opposite sides are										
Opposite angles are =										
Diagonals are $\cong$										
Diagonals are $\perp$										
Diagonals bisect each other										
Diagonals bisect the angles of ABCD										

Prove at least one each of the above claims and converses that you marked true. Provide counterexamples for those that you marked false.