

Name \_\_\_\_\_  
Mr. Schlansky

Date \_\_\_\_\_  
Geometry

## *How do you prove...?*

...an **isosceles triangle**? (2 Distances)  
Two Congruent Sides

...an **equilateral triangle**? (3 Distances)  
Three Congruent Sides

... a **right triangle**? (3 Distances)  
Show the sides fit into Pythagorean Theorem

... a **parallelogram**? (4 Distances)  
Two Pairs of Opposite Sides Congruent

... a **rhombus**? (4 Distances)  
All Sides Congruent

... a **rectangle**? (6 Distances)  
1) Two Pairs of Opposite Sides Congruent  
2) Diagonals Congruent

... a **square**? (6 Distances)  
1) All Sides Congruent  
2) Diagonals Congruent

... a **trapezoid**? (4 Slopes)  
1) 1 pair of opposite sides parallel  
2) 1 pair of opposite sides not parallel

... an **isosceles trapezoid**? (4 Slopes, 2 Distances)  
1) 1 pair of opposite sides parallel  
2) 1 pair of opposite sides not parallel  
3) Congruent Legs