



# Diagonals of Quadrilaterals

Name: \_\_\_\_\_

For each geoboard quadrilateral below draw in the two diagonals. Enter the data requested below each figure. The meaning of each entry is given here.

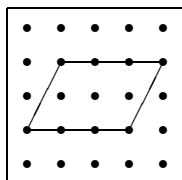
**Type:** Which of the seven types of quadrilaterals best describes the figure: square, rhombus, rectangle, parallelogram, kite, trapezoid or isosceles trapezoid.

**Cong  $\cong$ :** Are the diagonals congruent? Yes or No.

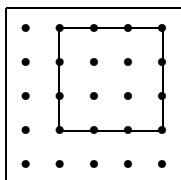
**Perp  $\perp$ :** Are the diagonals perpendicular? Yes or No.

**Bisect:** Do the diagonals bisect each other? Yes or No.

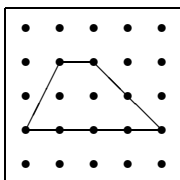
**Bisect  $\angle$ :** Do the diagonals bisect the corner angles? Yes or No.



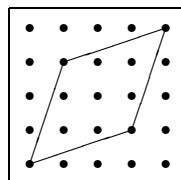
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



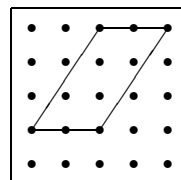
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



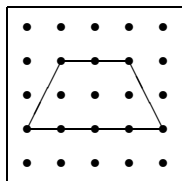
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



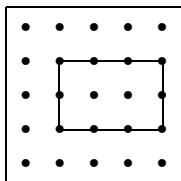
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



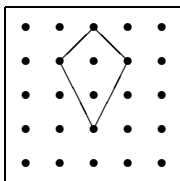
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



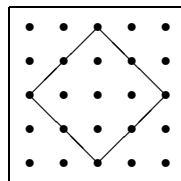
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



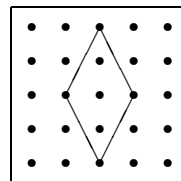
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



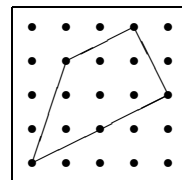
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



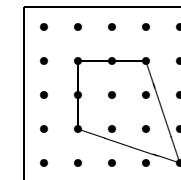
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



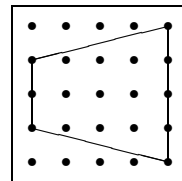
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



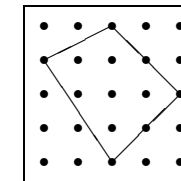
Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :



Type:  
Cong  $\cong$ :  
Perp  $\perp$ :  
Bisect:  
Bisect  $\angle$ :

*Instructions:* Complete this table by entering yes or no in each box.

Quads	Diags. $\cong$	Diags $\perp$	Diags Bisect	Diags Bisect $\angle$
Square				
Rhombus				
Rectangle				
Parallelogram				
Kite				
Trapezoid				
Iso. Trap.				