

Use the information from page 1 in order to determine the properties of the diagonals.  
Place a “Yes” or “No” in each box.

SHAPE	ARE DIAGONALS EQUAL?	ARE DIAGONALS PERPENDICULAR?	DO DIAGONALS BISECT EACH OTHER?	DO DIAGONALS BISECT OPPOSITE ANGLES?
SQUARE				
RECTANGLE				
PARALLELOGRAM				
RHOMBUS				
TRAPEZOID				
KITE				

Are these results you gained from observing one such shape true of all like shapes?  
Why or why not?

As a class, prove that the diagonals of a rhombus are perpendicular.

