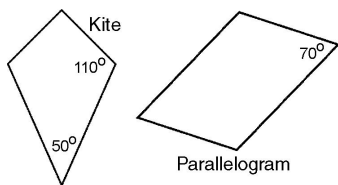




Problems: Quadrilateral Properties – Version C

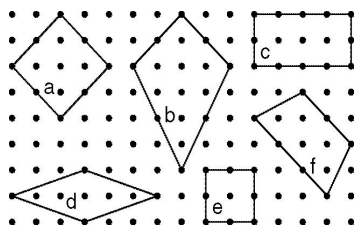
Name: _____

- Write in the values of all of the angles of these two quadrilaterals.

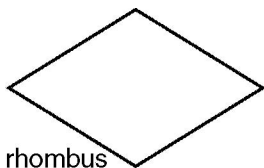


- Circle each of the quadrilaterals which satisfy the statement.

Statement: The diagonals bisect each other.

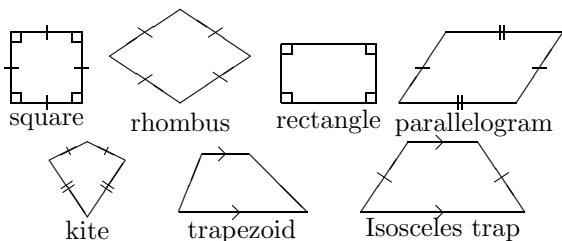


- In the space below write out four different properties that are true for rhombuses. Then mark these properties on the rhombus given.



Four Properties:

- The seven types of quadrilaterals we have been working with are drawn here.



For each of the following descriptions, write down all of the names of the quadrilaterals which satisfy the description. *Note: Multiple answers are possible.*

- A quadrilateral in which the diagonals are perpendicular bisectors of each other.
- A quadrilateral in which the diagonals are perpendicular to each other.

- A quadrilateral in which only two sides are parallel.
- A quadrilateral in which there are two sides that are parallel and the other two sides not parallel but they are equal.

- True? or Not?** For the following statements

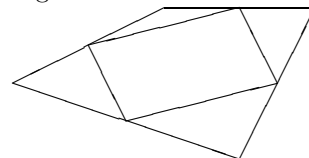
- if **True** simply write *true*, or
- if **False** write *false* and draw an example showing the statement is false.

- True? or Not?** Opposite angles are equal in trapezoids.

- True? or Not?** A square is a kite.

- True? or Not?** The angles of a parallelogram add to 360° .

- We have seen that inscribed quadrilaterals are always parallelograms.



Sometimes the inscribed quadrilateral is more than a parallelogram, perhaps a rhombus or a rectangle.

- Name the types of quadrilaterals that have inscribed rhombuses, and
 - draw a picture to illustrate each of these quadrilaterals.
- Name the types of quadrilaterals that have inscribed rectangles, and
 - draw a picture to illustrate each of these quadrilaterals.