


Fill in the blank with always, sometimes, or never.

- 1) The diagonals of a parallelogram are ____ congruent.
- 2) The diagonals of a kite ____ bisect each other.
- 3) The diagonals of a trapezoid are ____ congruent.
- 4) Consecutive angles of a rhombus are ____ supplementary.
- 5) Consecutive angles between bases of a trapezoid are ____ supplementary.
- 6) ~~The diagonals of a kite~~ ^{one diagonal} ____ ~~bisects~~ ^{vertex} the angles of the kite.
- 7) The diagonals of a rhombus are ____ congruent.

I'm a quadrilateral and What MUST I be? What could I be? ^{check all that apply} ^{most specific}

- 1) My diagonals are perpendicular bisectors of each other.
- 2) My diagonals bisect each other.
- 3) My opposite sides are congruent.
- 4) My diagonals are congruent and bisect each other.
- 5) One of my diagonals perpendicular bisects the other diagonal.
- 6) My congruent diagonals perpendicular bisect each other.

Fill in the blank with always, sometimes, or never. *if a rectangle*

- 1) The diagonals of a parallelogram are S congruent.
- 2) The diagonals of a kite N bisect each other.  *if isos.*
- 3) The diagonals of a trapezoid are S congruent.
- 4) Consecutive angles of a rhombus are A supplementary. *(true for all parallelograms)*
- 5) Consecutive angles between bases of a trapezoid are A supplementary. *C-39*
- 6) The diagonals of a kite N bisect the angles of the kite.
- 7) The diagonals of a rhombus are S congruent. *if a square*

I'm a quadrilateral and What MUST I be? What could I be?

- 1) My diagonals are perpendicular bisectors of each other. *Must - Rhombus* *Could - Rhombus, Square*
- 2) My diagonals bisect each other. *Must - parallelogram* *Could - parallelogram, rect, rhom, sq.*
- 3) My opposite sides are congruent. *Must - Same as 2*
- 4) My diagonals are congruent and bisect each other. *Must - rectangle* *Could - rect, square*
- 5) One of my diagonals perpendicular bisects the other diagonal. *Must/could - Kite*
- 6) My congruent diagonals perpendicular bisect each other. *must/could Square*