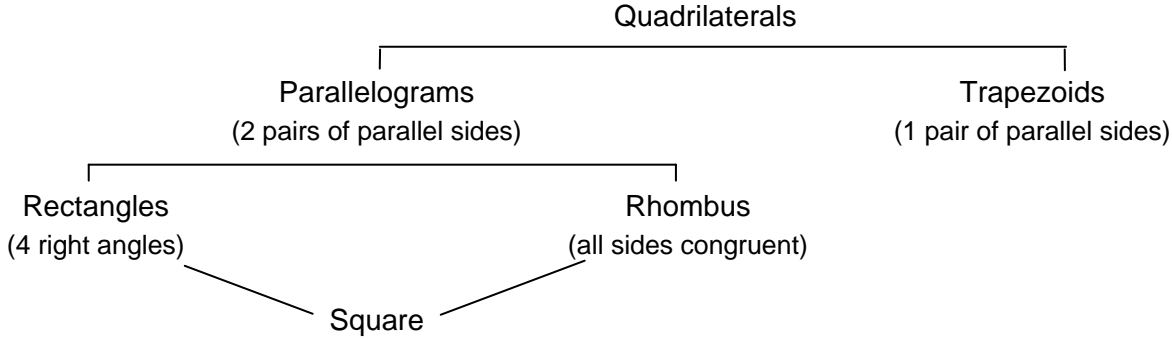


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7.6 – Quadrilaterals

A quadrilateral is a polygon with 4 sides and angles. Quadrilaterals are everywhere and so there are lots of special quadrilaterals that you need to learn about!

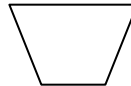
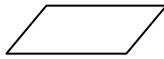
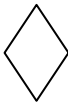
Use this tree map to learn about and classify different quadrilaterals.

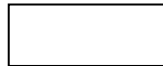
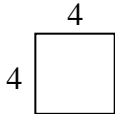
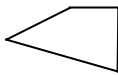


To classify a quadrilateral –

1. A figure is a quadrilateral when it _____.
2. A quadrilateral is a trapezoid is it has _____.
3. A quadrilateral is a parallelogram when it has _____.
4. A parallelogram is a rectangle when _____.
5. A parallelogram is a rhombus when it has _____.
6. A square is both a _____ and a _____.

Classify the following by using the **most descriptive** term.





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7.6 – Quadrilaterals

| | | | |
|---------------|--|-----------------|---|
| Congruent | two shapes of exactly the same size and proportions | Regular Polygon | a polygon in which all sides and angles are congruent |
| Diagonal | line segment that connects two nonadjacent vertices of a polygon | Rhombus | a parallelogram with 4 equal sides |
| Parallelogram | a quadrilateral with 2 pairs of parallel sides | Square | a rectangle with 4 equal sides |
| Quadrilateral | a four sided polygon | Trapezoid | a quadrilateral with only 1 pair of parallel sides |
| Rectangle | a parallelogram with four 90° angles | Vertices | common endpoints that form a "corners" of a polygon |