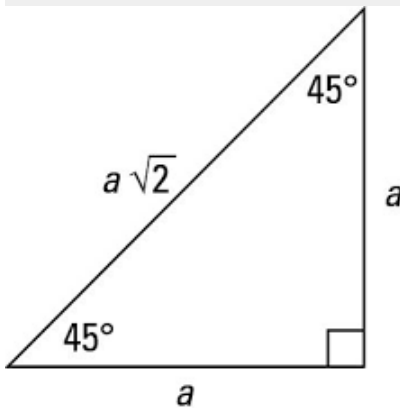
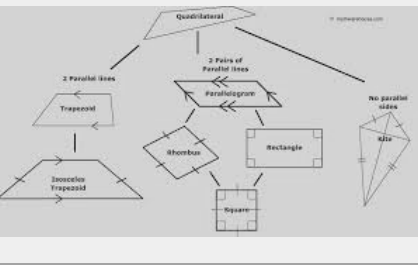


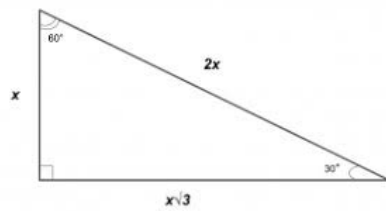
45/45/90



Quadrilateral diagram



30/60/90



Quadrilaterals

Opposite sides are congruent. Diagonals are congruent

Rhombus

Diagonals are perpendicular. Not all sides are congruent

Kite

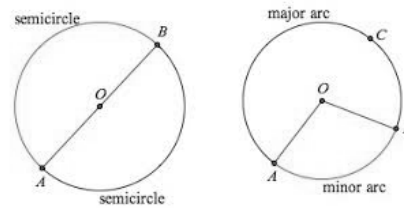
Diagonals are congruent. Opposite angles are not

Insoles trapezoid

Diagonals bisect each other. Not all sides are congruent. Not all angles are congruent

parallelogram

Arc length



Formulas

Area of a trapezoid  $a = 1/2h(b_1 + b_2)$

Area of a kite  $A = 1/2(d_1 \times d_2)$

Area of a Rhombus  $A = 1/2(d_1 \times d_2)$

Pythagorean Theorem  $a^2 + b^2 = c^2$

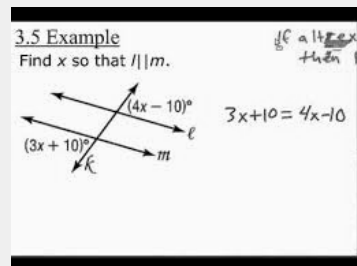
Side splitter Step 1: cross multiply Step 2: solve for x

Arc length Arc measure/360  $\times 2\pi r$

Area of a sector Measurement/sector  $(2\pi r)$

Area of a segment Area of a sector-measure/360  $(\pi r^2) - 1/2h$

Parallel/Transversal



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Published 31st May, 2018.

Last updated 31st May, 2018.

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