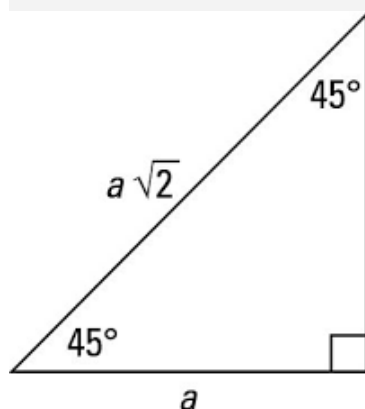


45/45/90



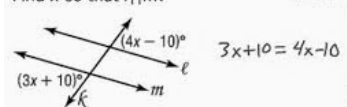
Formulas (cont)

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 (πr^2) - $1/2 h$

Parallel/Transversal

3.5 Example

Find x so that $l \parallel m$.



Quadrilaterals

Opposite sides are congruent. Diagonals are congruent

Rhombus

Diagonals are perpendicular. Not all sides are congruent

Kite

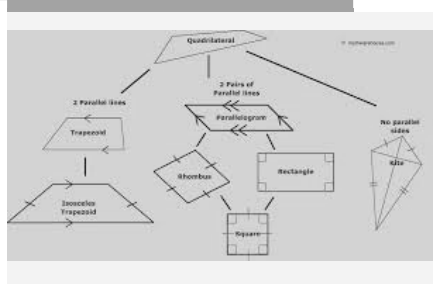
Diagonals are congruent. Opposite angles are not

Insoles trapezoid

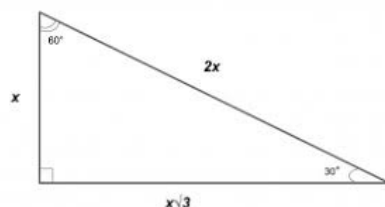
Diagonals bisect each other. Not all sides are congruent. Not all angles are congruent

parallelogram

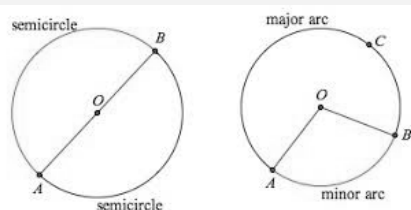
Quadrilateral diagram



30/60/90



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



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Page 1 of 1.

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