Geometry Formula Sheet

Geometric Formulas



Geometric Symbols

Example	Meaning	Example	Meaning
$\angle A$	angle A	\overrightarrow{AB}	vector AB
m∠A	measure of angle A		right angle
ĀB	line segment AB	$\overrightarrow{AB} \parallel \overrightarrow{CD}$	Line <i>AB</i> is parallel to line <i>CD</i> .
AB	measure of line segment <i>AB</i>	$\overrightarrow{AB} \bot \overrightarrow{CD}$	Line <i>AB</i> is perpendicular to line <i>CD</i> .
AB	line AB	$\angle A \cong \angle B$	Angle <i>A</i> is congruent to angle <i>B</i> .
$\triangle ABC$	triangle ABC	$\triangle A \sim \triangle B$	Triangle <i>A</i> is similar to triangle <i>B</i> .
	rectangle ABCD		Similarly marked segments are congruent.
ABCD	parallelogram ABCD		Similarly marked angles are congruent.

Abbreviations

Volume	V
Lateral Area	L.A.
Total Surface Area	S.A.
Area of Base	В

Pi

$$\pi \approx 3.14$$

 $\pi \approx \frac{22}{7}$

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