

Geometry Flashcards PDF

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What is the sum of the interior angles of a triangle?

The sum of the interior angles of a triangle is 180 degrees.

What is the formula for the area of a rectangle?

The formula for the area of a rectangle is length multiplied by width ($A = l \times w$).

What is the Pythagorean theorem?

The Pythagorean theorem states that in a right triangle, the square of the length of the hypotenuse is equal to the sum of the squares of the lengths of the other two sides ($a^2 + b^2 = c^2$).

What is the circumference of a circle?

The circumference of a circle is calculated using the formula $C = 2\pi r$, where r is the radius.

What is the area of a circle?

The area of a circle is calculated using the formula $A = \pi r^2$, where r is the radius.

What is a polygon?

A polygon is a closed figure formed by a finite number of straight line segments.

What is the difference between a regular and an irregular polygon?

A regular polygon has all sides and angles equal, while an irregular polygon does not.

What is a right angle?

A right angle is an angle that measures exactly 90 degrees.

What is the formula for the volume of a rectangular prism?

The formula for the volume of a rectangular prism is $V = \text{length} \times \text{width} \times \text{height}$.

What is the relationship between the angles in a linear pair?

The angles in a linear pair are supplementary, meaning they add up to 180 degrees.