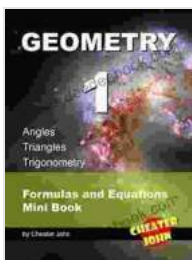# Geometry: Angles, Triangles, Trigonometry Formulas, and Equations Mini Guide

Geometry is a branch of mathematics that deals with the properties and relationships of shapes and figures in two and three dimensions. Angles, triangles, and trigonometry are all important topics in geometry. This mini guide will provide you with a basic understanding of these topics.

Angles

An angle is formed when two rays meet at a point. The rays are called the sides of the angle, and the point where they meet is called the vertex. Angles are measured in degrees. A full circle is 360 degrees.

Geometry 1 - Angles, Triangles, Trigonometry: Formulas and Equations Mini Book by Cheater John

★★★★★ 5 out of 5

Language	:	English
File size	:	4420 KB
Screen Reader	:	Supported
Print length	:	15 pages
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There are many different types of angles. Some of the most common types include:

- Acute angles: Angles that measure less than 90 degrees.

- Right angles: Angles that measure exactly 90 degrees.

- Obtuse angles: Angles that measure more than 90 degrees but less than 180 degrees.

- Straight angles: Angles that measure exactly 180 degrees.

- Reflex angles: Angles that measure more than 180 degrees but less than 360 degrees.

Triangles

A triangle is a polygon with three sides. Triangles are classified by the length of their sides and the measure of their angles. There are three main types of triangles:

- Scalene triangles: Triangles with no equal sides.

- Isosceles triangles: Triangles with two equal sides.

- Equilateral triangles: Triangles with three equal sides.

Trigonometry

Trigonometry is the branch of mathematics that deals with the relationships between the sides and angles of triangles. Trigonometry is used in a wide variety of applications, including navigation, surveying, and engineering.

There are six basic trigonometry formulas. These formulas can be used to solve a variety of problems involving triangles.

- Sine

- Cosine

- Tangent
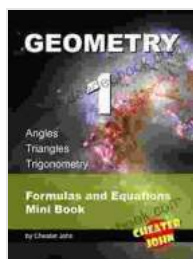
- Cotangent

- Secant

- Cosecant

Equations

Equations are mathematical statements that express the equality of two expressions. Equations can be used to solve for unknown variables. In geometry, equations are often used to solve for the sides and angles of triangles.

The following are some of the most common types of equations that are used in geometry:

- Linear equations

- Quadratic equations

- Trigonometric equations

Geometry is a vast and complex subject, but the basics of angles, triangles, trigonometry, and equations can be understood by anyone. This mini guide has provided you with a basic understanding of these topics. If you would like to learn more about geometry, there are many resources available, including books, online courses, and websites.

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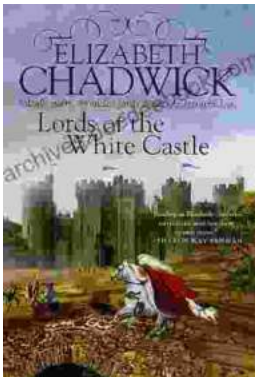|	
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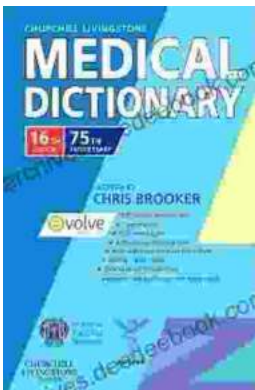
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