



## Glossary

---

### Unit 3 Trigonometry

**Angle of Depression** The angle between the horizontal and an observer's line of sight to an object below the horizontal

**Angle of Elevation** The angle between the horizontal and an observer's line of sight to an object above the horizontal

**Cosine Ratio** The ratio of the side length adjacent to an angle to the length of the hypotenuse in a right triangle

**Hypotenuse** The longest side of a right triangle and the side opposite the right angle in a right triangle

**Primary Trigonometric Ratios** The sine, cosine, and tangent ratios

**Similar Triangles** Triangles that have the same shape, with the same three angle measures

**Sine Ratio** The ratio of the side length opposite an angle to the length of the hypotenuse in a right triangle

**Solving a Right Triangle** Determining all unknown side lengths and angle measures in a right triangle

**Tangent Ratio** The ratio of the side length opposite an angle to the side length adjacent to that angle in a right triangle

**Trigonometry** The study of the relationship between side lengths and angles of a triangle