

Trigonometry Formulas

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Use these formulas to find the required sides or angles of right angle triangles.

$$\text{SIN} = \frac{\text{opp}}{\text{hyp}}$$



Sine Rule

size of angle = opp ÷ hyp = 2nd SIN



hypotenuse = opp ÷ angle SIN =



side opposite = angle SIN X hyp =

$$\text{COS} = \frac{\text{adj}}{\text{hyp}}$$



Cosine Rule

size of angle = adj ÷ hyp = 2nd COS



hypotenuse = adj ÷ angle COS =



side adjacent = angle COS X hyp =

$$\text{TAN} = \frac{\text{opp}}{\text{adj}}$$



Tangent Rule

size of angle = opp ÷ adj = 2nd TAN



side adjacent = opp ÷ angle TAN =



side opposite = angle TAN X adj =