

# Download Sum And Difference Of Angles

Introduction: In this lesson, formulas involving the sum and difference of two angles will be defined and applied to the fundamental trig functions. In mathematics, trigonometric identities are equalities that involve trigonometric functions and are true for every value of the occurring variables where both sides of the equality are defined. Examine the angles in a triangle, quadrilateral, pentagon, hexagon, heptagon or octagon. Can you find a relationship between the number of sides and the sum of the interior angles? Trigonometric Addition Formulas. Angle addition formulas express trigonometric functions of sums of angles in terms of functions of and . The fundamental formulas of angle addition in trigonometry are given by