8.2 The Sum and Difference Formulas

# OBJECTIVE 1: Understanding the Sum and Difference Formulas for the Cosine Function

**The Sum and Difference Formulas for the Cosine Function**



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# OBJECTIVE 2: Understanding the Sum and Difference Formulas for the Sine Function

**The Sum and Difference Formulas for the Sine Function**





# OBJECTIVE 3: Understanding the Sum and Difference Formulas for the Tangent Function

**The Sum and Difference Formulas for the Tangent Function**





# OBJECTIVE 4: Using the Sum and Difference Formulas to Verify Identities

# OBJECTIVE 5: Using the Sum and Difference Formulas to Evaluate Expressions Involving Inverse Trigonometric Functions