# PreCalculus Fundamental Trigonometric Identities

**Reciprocal Identities:**

**Quotient Identities:**

**Pythagorean Identities:**

**Cofunction Identities:**

**Even/Odd Identities:**

**Sum and Difference Formulas:**



**Values of Trigonometric Functions for Special Angles**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Degree** | **Radian** |  |  |  |  |  |  |
| 0° |  |  |  |  |  |  |  |
| 30° |  |  |  |  |  |  |  |
| 45° |  |  |  |  |  |  |  |
| 60° |  |  |  |  |  |  |  |
| 90° |  |  |  |  |  |  |  |
| 120° |  |  |  |  |  |  |  |
| 135° |  |  |  |  |  |  |  |
| 150° |  |  |  |  |  |  |  |
| 180° |  |  |  |  |  |  |  |
| 210° |  |  |  |  |  |  |  |
| 225° |  |  |  |  |  |  |  |
| 240° |  |  |  |  |  |  |  |
| 270° |  |  |  |  |  |  |  |
| 300° |  |  |  |  |  |  |  |
| 315° |  |  |  |  |  |  |  |
| 330° |  |  |  |  |  |  |  |
| 360° |  |  |  |  |  |  |  |