Trigonometric Identities

An “Identity” is a math statement that is ALWAYS true.

The left-hand side and the right-hand side of the equation can be substituted for each other as needed.

Partial List of Identities

|  |
| --- |
|  |
|  |
|  |
|   |
|   |
|   |
|   |
|  (divide 1st equation by sin2x ) |
|  |
|  |
|  (divide 1st equation by cos2x ) |
|  |
|  |

**The Point???** Identities simplify messy equations when people are solving trigonometric-related problems.

Trigonometric Identities

An “Identity” is a math statement that is ALWAYS true.

The left-hand side and the right-hand side of the equation can be substituted for each other as needed.

Partial List of Identities

|  |
| --- |
|  |
|  |
|  |
|   |
|   |
|   |
|   |
|  (divide 1st equation by sin2x ) |
|  |
|  |
|  (divide 1st equation by cos2x ) |
|  |
|  |

**The Point???** Identities simplify messy equations when people are solving trigonometric-related problems.