**CLASS X**

**MATHEMATICS**

**Introduction To Trigonometry**

**HANDOUT- Module 3 of 3**

**Trigonometric Identities**

An equation involving the trigonometric ratio of angle(s) is called a trigonometric identity, if it is true for all values of the angles involved. These are:

1. Sin² θ + cos² θ = 1 [where 00≤ θ ≤ 900]

2. Cosec² θ = 1 + cot² θ [where 00< θ ≤ 900]

3. Sec² θ = 1 + tan² θ [where 00≤ θ < 900]