Compendium

* **cos (x + y) = cos x cos y - sin x sin y**
* **cos (x – y) = cos x cos y + sin x sin y**
* **sin ( x + y) = sin x cos y + cos x sin y**
* **sin ( x - y) = sin x cos y - cos x sin y**
* **tan (x + y) =**
* **tan (x - y) =**
* **cot ( x + y) =**
* **cot ( x - y) =**
* **cos 2x = cos2x – sin2x = 2cos2x – 1 = 1 – 2sin2x =**
* **sin 2x = 2 sin x cos x =**
* **tan 2x =**
* **sin3x = 3 sin x – 4 sin 3 x**
* **cos 3x = 4 cos3x – 3 cos x**
* **tan 3x =**
* **2 cos x cos y = cos (x + y) + cos(x – y)**
* **2 sin x sin y = cos (x - y) - cos(x + y)**
* **2 sin x cos y = sin (x + y) + sin (x – y)**
* **2 cos x sin y = sin (x + y) - sin (x – y)**