IDENTIDADES TRIGONOMETRICAS

① $sen^2 x + cos^2 x = 1$

② $1 + tan^2 x = sec^2 x$

③ $1 + cot^2 x = csc^2 x$

→④ $sen^2 x = \frac{1}{2}(1 - cos 2x)$

⑤ $cos^2 x = \frac{1}{2}(1 + cos 2x)$

⑥ $sen\, x \, cos\, x = \frac{1}{2} sen\, 2x$

⑦ $sen\, x \, cos\, y = \frac{1}{2}\left[sen(x-y) + sen(x+y)\right]$

⑧ $sen\, x \, sen\, y = \frac{1}{2}\left[cos(x-y) - cos(x+y)\right]$

⑨ $cos\, x \, cos\, y = \frac{1}{2}\left[cos(x-y) + cos(x+y)\right]$

⑩ $1 - cos\, x = 2\, sen^2 \frac{1}{2} x$

⑪ $1 + cos\, x = 2\, cos^2 \frac{1}{2} x$

⑫ $1 \pm sen\, x = 1 \pm cos(\frac{1}{2}\pi - x)$