[Name of the Writer]

[Name of Instructor]

[Subject]

[Date]

Math

**LHS: Left Hand Side**

**RHS: Right Hand Side**

cos2θ = 1 - sin2θ

cscθ = 1/ sinθ

= cscθ – sinθ = RHS

Hence proved LHS = RHS

= tan = RHS

Hence proved LHS = RHS

Cos = Cos2 – sin2

Cos2θ + sin2θ = 1

= secθ = RHS

Hence proved LHS = RHS

Cos = Cos2 – sin2 and sin2θ =2sinθcosθ

=cot = RHS

Hence proved LHS = RHS

Sin2= 2sincos

=sincos = RHS

Hence proved LHS=RHS

Cos = Cos2 – sin2

cos2θ = 1 - sin2θ

sin2θ = 1 - cos2θ

= RHS

Hence proved LHS = RHS

sin ( a + b) = sin(a)cos(b) + cos(a)sin(b)

sin ( a - b) = sin(a)cos(b) - cos(a)sin(b)

= cos = RHS

Hence proved LHS = RHS

cos(a + b) = cos(a)cos(b) – sin(a)sin(b)

cos(a - b) = cos(a)cos(b) + sin(a)sin(b)

= RHS

Hence proved LHS = RHS

sin ( a + b) = sin(a)cos(b) + cos(a)sin(b)

sin ( a - b) = sin(a)cos(b) - cos(a)sin(b)

= 0 = RHS

Hence proved LHS = RHS

Sin(a + b) = sin(a)cos(b) + cos(a)sin(b)

cos(a + b) = cos(a)cos(b) – sin(a)sin(b)

= RHS

Hence proved LHS = RHS

= -1 = RHS

Hence proved LHS = RHS

Sin(a + b) = sin(a)cos(b) + cos(a)sin(b)

cos(a - b) = cos(a)cos(b) + sin(a)sin(b)

= 1 = RHS

Hence proved LHS = RHS

Sin2A= 2sinAcosA

Cos2A= cos2A – sin2A

Sin2A = 1 – cos2A

= tanA = RHS

Hence proved LHS = RHS

Sin2= 2sincos

Cos2= cos2 – sin2

Sin2 = 1 – cos2

= tan = RHS

Hence proved LHS = RHS

Hence proved LHS = RHS