

**Assignment**

1. If tanA=cot(300+A) , find the value of A.

2. Prove that

3. If sinθ−cosθ=0, then find the value of (sin4θ+cos 4θ)

4. Show that

5. Prove that sec 6 θ= tan 6θ + 3 tan 2θ sec 2θ + 1

6. Show that 2(cos4600 +sin4300) – ( tan2600+cot2450) + 3sec2300 =

(or)

7. If A and B acute angles such that tanA=  tanB= and tan(A+B)= find A +B