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**ASSIGNMENT**

**Inverse Trigonometry Functions**

1. Evaluate :
2. Evaluate: .
3. Evaluate :
4. Evaluate: tan-1[tan()]
5. Solve the equation :
6. Prove that: .
7. Write in the simplest form.
8. If
9. Evaluate: .
10. Solve the equation: .
11. Evaluate: cos[] .
12. Prove that: .
13. Simplify :
14. Prove that.
15. Solve for x: sin-1 6x + sin-1(6 = .
16. Prove that tan(2) =
17. Solve the inverse trigonometrical equation : cos(tan-1 x) = sin(cot-1 ) .
18. If y = .
19. Solve.
20. If , prove that x2 + y2 + z2 + 2xyz = 1.