Holiday Homework
Class - 12 (2025-26)
Subject - mathematics

Do these questions in your classwork notebook.

1. Let A={1,2,3}.write all one-one fro a itself.
2. Show that the function f:R→R given by f(x) = x^3+x is a bijection.
3. Prove that every identity relation on a set is reflexive, but the converse is not necessarily true.
4. Find the set of values of $cosec^{-1}\left(\frac{\sqrt{3}}{2}\right)$.
5. If $tan^{-1}(cot\theta) = 2\theta$, then find θ.