Objective: Evaluate Inverse Trigonometric Functions

Concept

In order for a function to have an inverse function, it must pass the Horizontal Line Test. The Horizontal Line Test shows whether each y-value corresponds to one x-value, a condition necessary for the inverse to be a function.

The sine function does not pass the Horizontal Line Test because the horizontal line intersects the graph at more than one point. So, in order to create an inverse of sine that is a function, the domain of sine must be restricted.



















