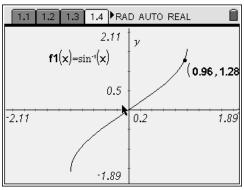


The answer is no. Does this mean that sine does not have an inverse? Yes and No. On the next page you will see the graph of the inverse of sine.

Look at the graph and then proceed to the next page.

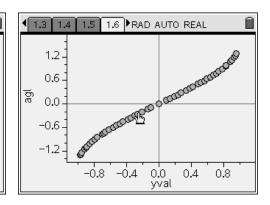


To see how the graph of the inverse sine is related to the sine function we can plot points and then switch the x's and y's which is all an inverse does.

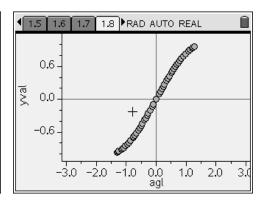
Go Back to the previous page and drag the point so that the calculator will collect all of

the points. Then proceed to the page after

this one to see the graph.



On the next page you will see the x and y values switched. What shape do the points resemble?



The graph resembles the sine wave. On the next page is the sine wave on top of the data. Use this graph and your knowledge of the unit circle to define the domain and range of the sine inverse function by finding the x and y intervals where the data and the graph overlap.

