$Sin^{-1}x$ Red line

$Sin x$ Blue line



$Cos^{-1}x$ Red line

Cos$ x$ Green line

 

$Tan^{-1}x$ Red line

Tan$ x$ Purple line



Black line y=$ x$

$Sin^{-1}x$ Red line

$Sin x$ Blue line



$Cos^{-1}x$ Red line

Cos$ x$ Green line

 

$Tan^{-1}x$ Red line

Tan$ x$ Purple line



 y =$ cosec x$ = $\frac{1}{sinx}$



y =$ sec x$ = $\frac{1}{cosx}$



y =$ cot x$ = $\frac{1}{tanx}$ =$\frac{\cos(x)}{sinx}$

