University of Bahrain
Department of Mathematics
MATHS101: Calculus I
Dr. Abdulla Eid

Homework: Derivative of the basic inverse trigonometric functions

Students' Name: _____

1. Derive a formula to the derivative of the following functions

   1. $f(x) = \cos^{-1} x$.

2. $f(x) = \cot^{-1} x$.

2. $f(x) = \cot^{-1} x$.

3. $f(x) = \csc^{-1} x$.

3. $f(x) = \csc^{-1} x$.