

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



## Homework: Derivative of basic trigonometric functions

Students' Name: \_\_\_\_\_

1. Derive a formula using the definition of the derivative for each of the following functions:

1.  $f(x) = \cos x$

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2.  $f(x) = \cot x$

3.  $f(x) = \csc x$

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