MATA31

Quiz 5 (A9 & A10) **Mark:_____/25**

Last Name:_____ **First Name:_____** **Student #:_____**

1. [4 + 4 points] Differentiate the following functions using differentiation rules. State the intervals where the formulas you obtain are valid.

1. $f(x) = \sin(\arcsin(x))$

2. $f(x) = \frac{\sinh^{-1} x}{\cosh^{-1} x}$