Derivatives of inverse functions

After completing this section, students should be able to do the following.

- Find derivatives of inverse functions in general.

- Recall the meaning and properties of inverse trigonometric functions.

- Derive the derivatives of inverse trigonometric functions.

- Understand how the derivative of an inverse function relates to the original derivative.

- Explain the formula for the derivative of the natural log function.

- Calculate derivatives of logs in any base.

- Take derivatives which involve inverse trigonometric functions.

Learning outcomes: