**Proving Derivatives**

Small angle notes

Differentiating Sine from First Principles

Differentiating Sin(kx) from First Principles

Differentiating Cosine from First Principles

Differentiating Sec with the Chain Rule

Differentiating Cosec with the Chain Rule

Differentiating Tan with the Quotient Rule

Differentiating Cot with the Quotient Rule

Differentiating ln(x) using implicit differentiation

Differentiating ax using logs and implicit differentiation