3.5 Derivatives of the Trigonometric Functions

Limits Involving

Recall

1. Show

2. Determine

3. Determine

Trigonometric Derivative Rules

Trigonometric Derivatives

Trigonometric Derivatives

Trigonometric Derivatives

Rules Amongst Rules

Rules Amongst Rules

Higher Order Trig Derivatives

Applications

Determine all points where horizontal tangent lines.

has

Applications

16. Find the equation of the tangent line to

Applications

Determine the velocity, acceleration, and jerk, at time *t* for a body moving in simple harmonic motion, such as a weight on a spring, with position