

Preparation Guide for Quiz 05

May 30, 2011

1. Understand the meaning of big O and small o . Give some examples. Pay special attentions on logarithmic, exponential and monomial functions at x near 0 and ∞ .
2. Know how to get derivative of inverse trigonometric functions. Some of them are closely related to what the domain of inverse trigonometric functions are. That is, what the range of the restricted trigonometric functions are.
3. Know basic integrations for inverse trigonometric functions.
4. Know how to compute curve length, volume and surface area for solids of revolution. Work out some examples in each case.