

Stuff you should know cold for our exam:

Finding a limit

Recognizing an asymptote in limit form

Recognizing a derivative in limit form

Piecewise functions [i.e. making them continuous or differentiable]

Finding an equation of a tangent line

Finding an average rate of change

Finding a derivative with any of the rules [i.e. product, quotient, power, chain, implicit]

Applications of the derivative [i.e. extrema [min/max], point(s) of inflection, related rates]

Your favorite theorems: EVT, IVT, MVT

Finding an indefinite integral

The relationship between position, velocity, and acceleration [with differentiation AND integration]

Oh yeah, speed too

Rules of definite integrals

Estimating with definite integrals with Riemann Sums