

AP Calculus DS

TT: On your desks are the solutions to the motion FRQs for hw. Look over yours and see how you did.

NTT: Need to re-assess? Be sure the required HW is done and then let me know what you need.

AP Test:

Multiple Choice: 50%

55 min, 28q no calc

50 min, 17q yes calc

leave nothing blank

Free Response: 50%

30 min, 2q, yes calc

60 min, 4q, no calc (can go back to
yes calc q's)

FRQ's are scored on a 9 point scale

What you should study:

- UNIT CIRCLE
- Special Trig Limits
- Riemann sums from tables
- Related rates
- Implicit derivatives

What to expect on the FRQs

- Given 2 regions, find the area between curves, volume of rev/solids
- Particle motion
- Given f' , give information about f (max, min, inc/dec, concavity, etc)
- Accumulation: analytically and/or graphically
- Separable differential equation: slope field, finding particular solution

Last year's FRQs

- Accumulation (water flow in and out): analytical
- Area between curves that intersect; volume by cross section
- Particle motion, numerically: Riemann sum, position/vel/accel and distance traveled
- Diff Eq: Slope field making, implicit derivative, particular sol
- Given F' graph: find max, concavity, inflection points, accumulation
- Given dy/dx implicitly: tang. line equation, vertical tangents, implicit second derivative