

Topic List for Exam #1**Tuesday, September 23, 2008****(not exhaustive)**

one dimensional kinematics

instantaneous clock reading, position number
displacement, time interval
average velocity, acceleration, jerk
instantaneous velocity, acceleration, jerk
 x vs t , v vs t , a vs t , j vs t – and graphical “translations” between them
integration & differentiation of kinematic quantities – graphical interpretations
kinematics of constant acceleration

two dimensional kinematics

components, addition & subtraction
position, displacement, velocity, and acceleration vectors
relative velocity
projectile motion – range equation

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