From the class discussion, sketch the following simple natural relationship graphs for position vs. time and write the general equation that goes with each.
neg. inverse
eq:.
neg. zero order

eq: $\qquad$ eq: $\qquad$ eq: $\qquad$ eq: $\qquad$

Remembering that "Nature paints with a broad brush", look at the data points you drew on the graph on the front -- which one of these thirteen simple natural relationships represents the position of a ball rolling down an incline vs. time

By the way, what do you think the graph would look like and what might be the equation if the ball started off at the bootom of the ramp with a velocity and proceeded up the ramp slowing down (due to gravity) until it came to a stop?
equation: $\qquad$ $\square$

eq: $\qquad$

eq:
damping envelope


Various equations

Write discussed example of oscillations in your composition book..

