

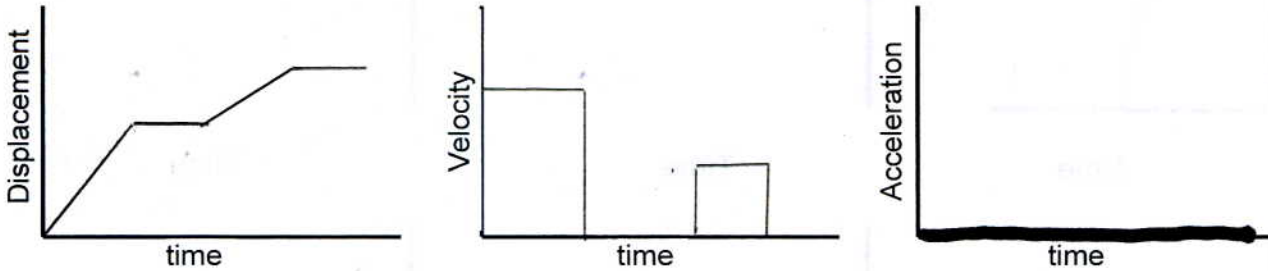
Graphing, Graphical Analysis and Motion

Graphing Without Numbers ... Taking a Concept to the Max!

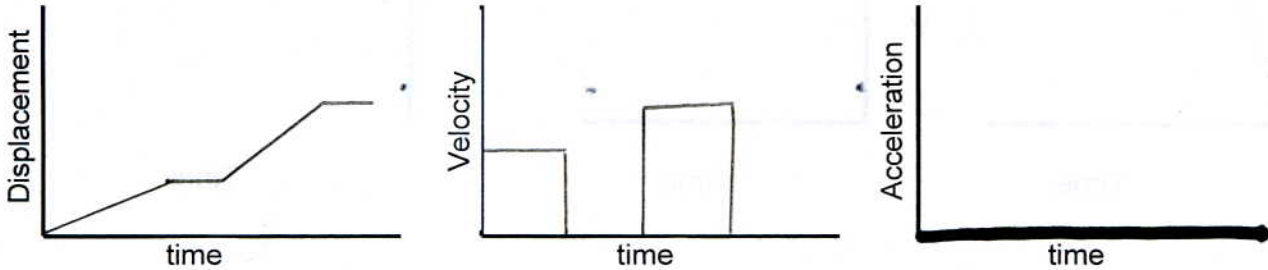
Name Key

Think about the following situations and then graph a displacement vs. time, velocity vs. time, and acceleration vs. time graph for each. You don't need numbers, just a scale of positive and negative. We'll do the first one together as a group.

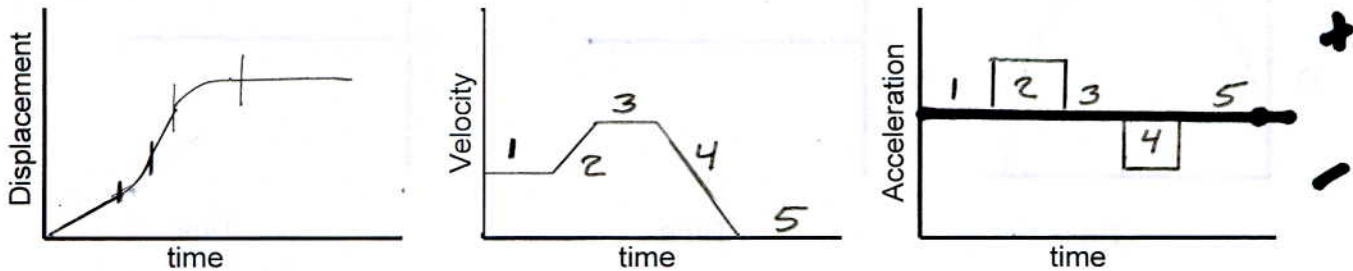
Situation 1: Walk at a steady velocity, stop for awhile, walk at a slower constant velocity, and stop.



Situation 2: Walk at a steady velocity, stop for awhile, walk at a faster constant velocity, and stop



Situation 3: Walk at a steady velocity, accelerate to a faster constant velocity, and decelerate to a stop



Situation 4: Walk at a steady velocity, accelerate to a faster constant velocity, and decelerate to a constant negative velocity

