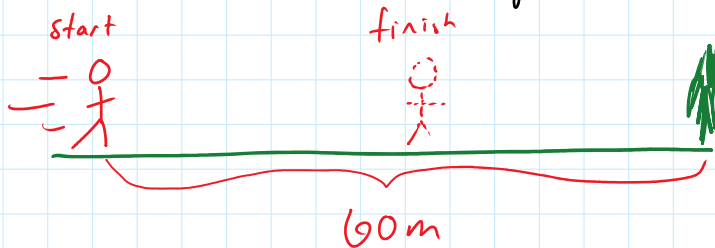


Position: your location

Distance: change in position,  $\Delta p$ , measured in meters (m)  
 $\Delta$  delta, total distance travelled km

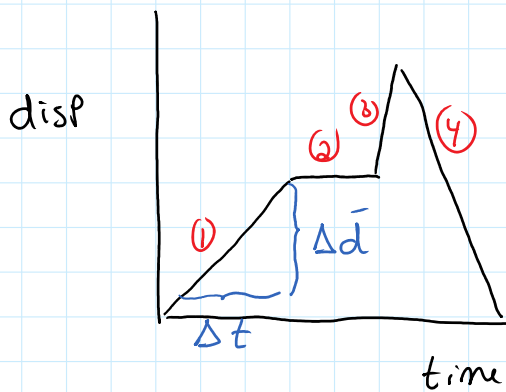
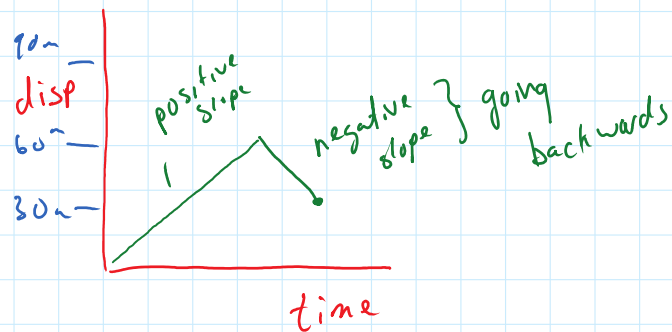
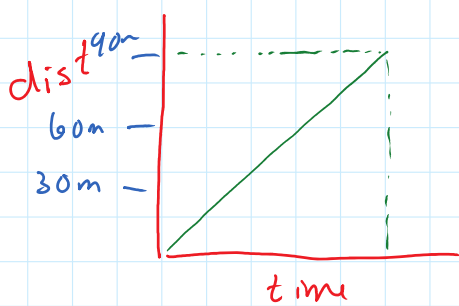
Displacement: direct distance from start to finish

ex: run to cedar hedge and  $\frac{1}{2}$  way back



distance = 90m

displacement = 30m west



① slope =  $\frac{\text{rise}}{\text{run}} = \frac{\Delta \bar{d}}{\Delta t}$ , Velocity =  $\frac{\Delta \bar{d}}{\Delta t}$

$V = \frac{\Delta \bar{d}}{\Delta t}$ , units  $\frac{\text{m}}{\text{s}}$ ,  $\frac{\text{km}}{\text{h}}$

② slope = 0, velocity = 0

③ steeper than ①, going faster

④ negative slope, negative velocity backwards