Ex 1. Dog runs ambles down street at constant pace, sees a cat and speeds up to chase it at a full run, cat ducks into doorway and dog must decelerate to a stop.

Motion A: slow const. speed
Motion B: accel. to fast run
Motion C: fast run
Motion D: deccel. to stop
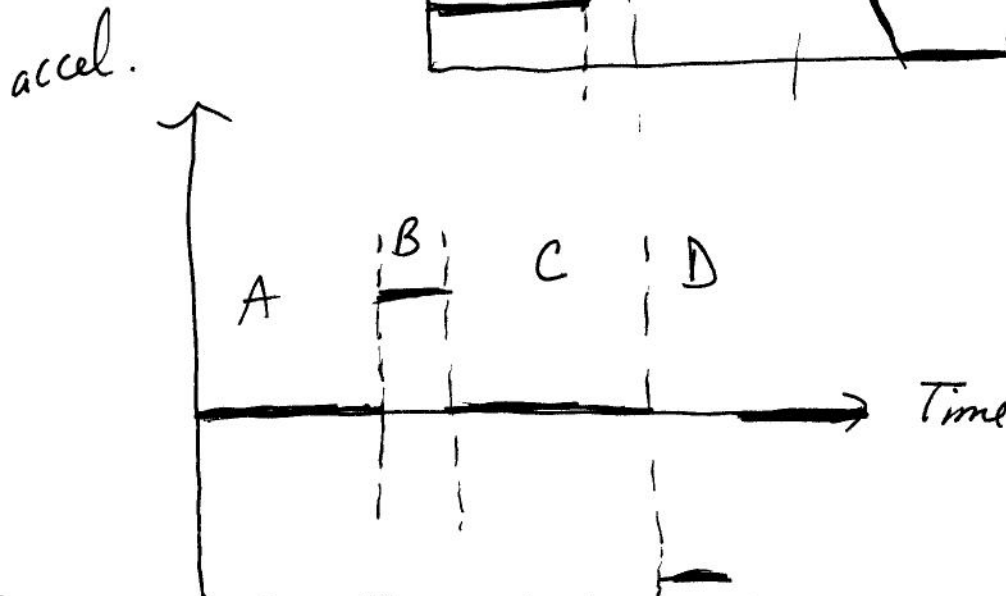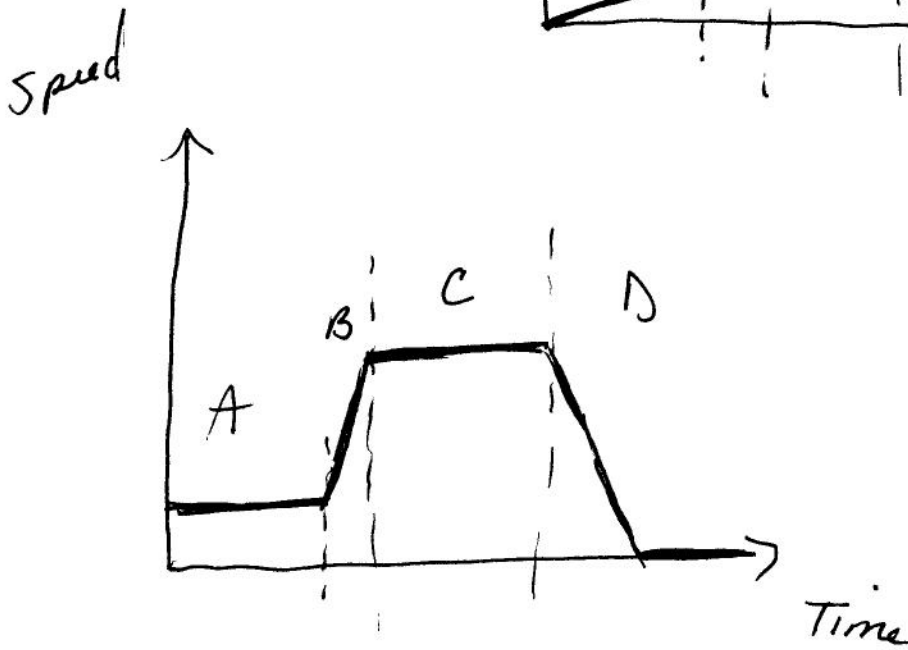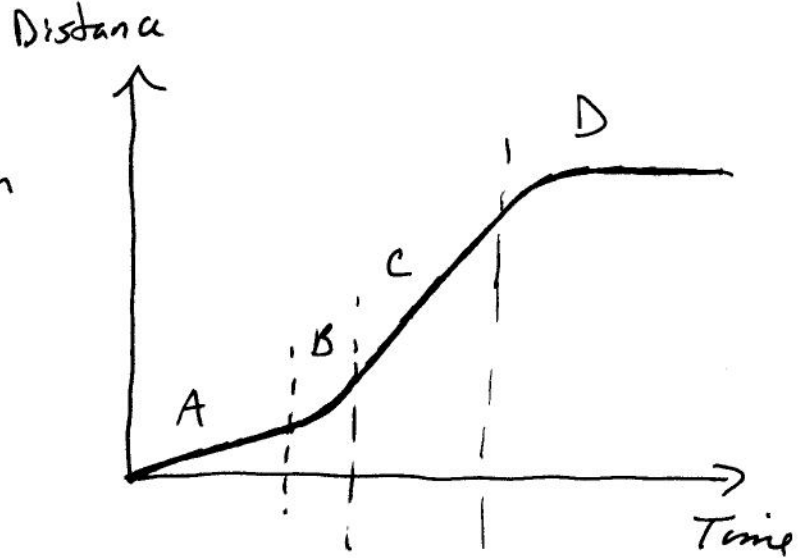
Ex 2. Hawk sitting in tree, sees a mouse, dives going faster and faster to a high speed, swoops across the field, grabs for mouse but misses, flies dejectedly at a lower speed to a fence post, lands on post feeling sorry for itself.

Identify types of motion in scenerio, make 3 qualitative graphs of the motion (d vs t, v vs t, and a vs t)

Motion A: No motion
Motion B: Accel to hi speed
Motion C: Const. hi speed

Motion D: deccel to slow speed
Motion E: slow const speed
Motion F: de cel to stop