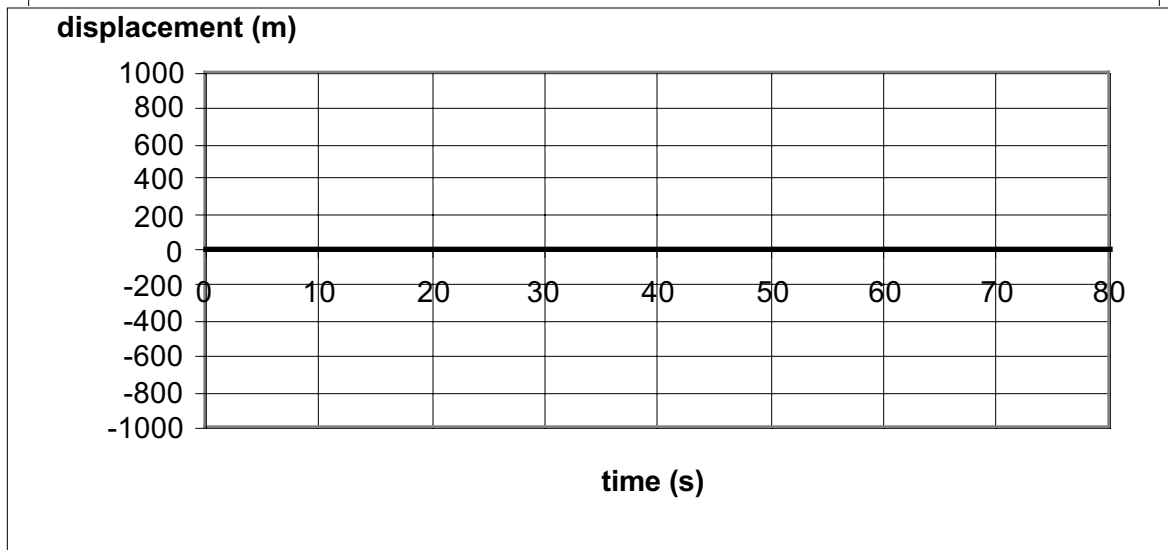
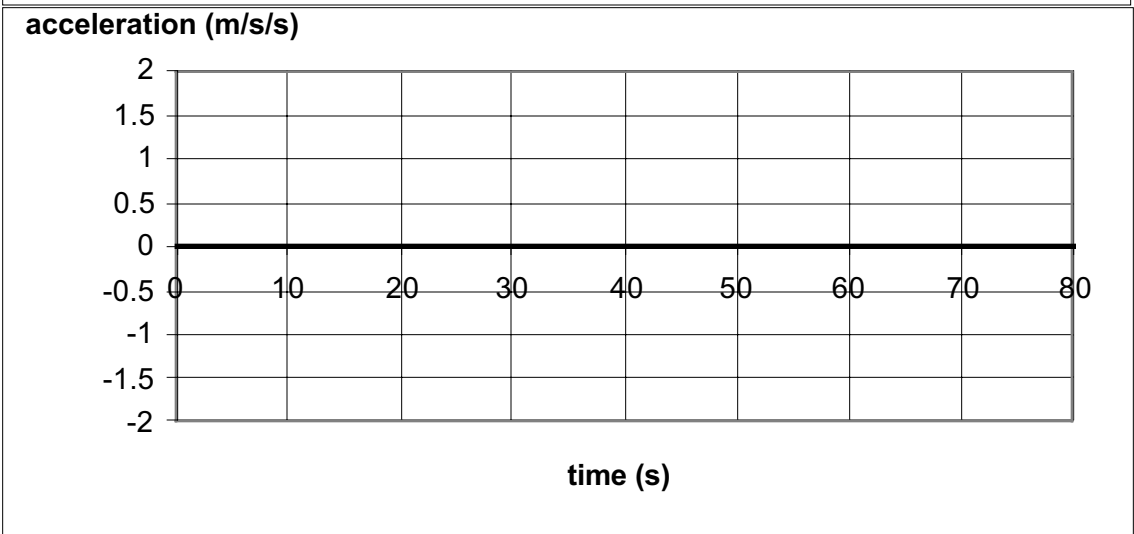
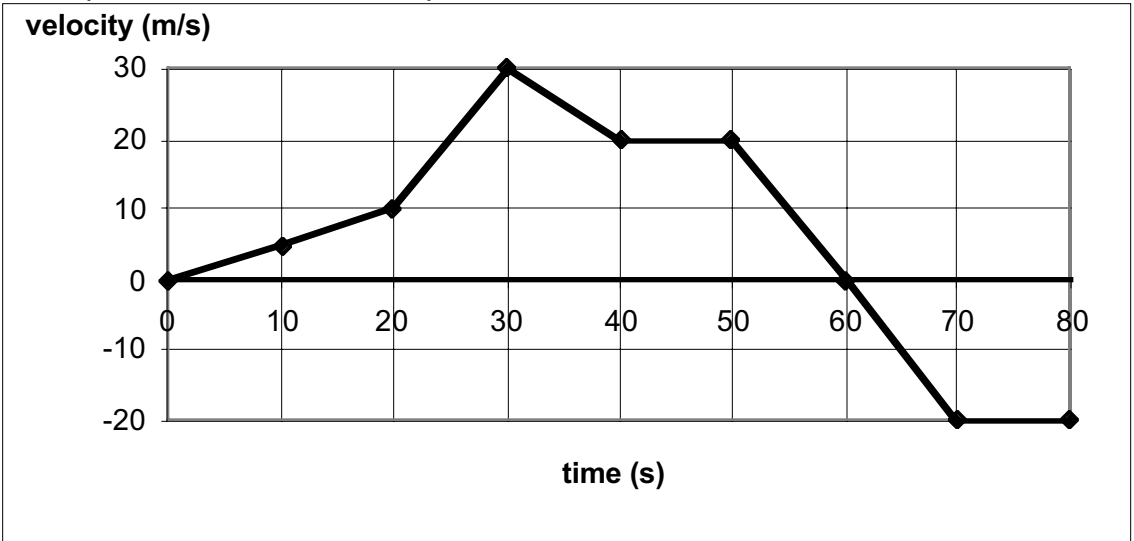
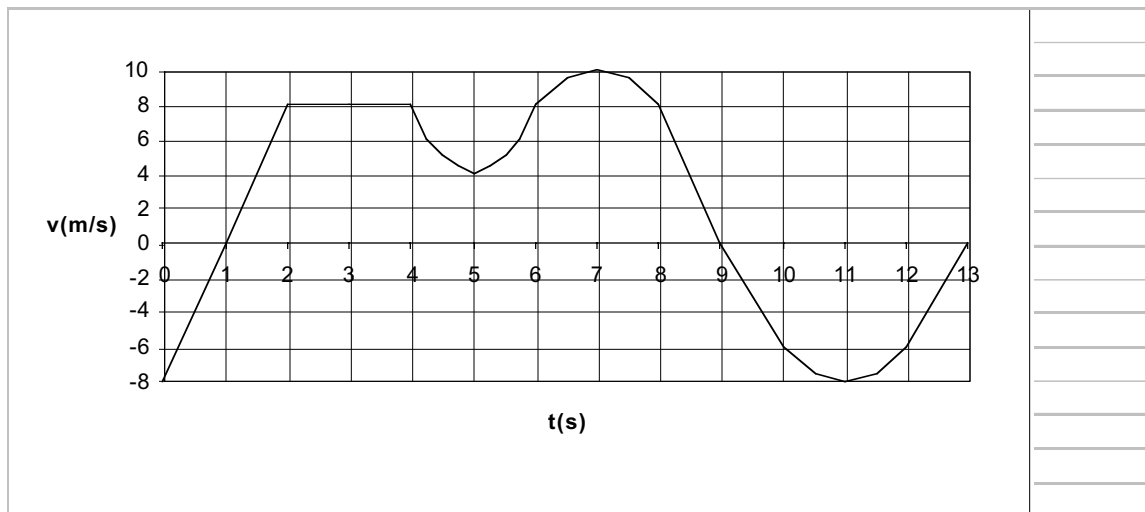


Kinematics Graphs #1

Given the graph of velocity vs. time shown below, construct the graphs for acceleration and displacement on the axes provided.





1. Based on the above graph, at or between what times do the following quantities occur ?

positive velocity

2. What is the acceleration between 0-2 s ?

negative velocity

maximum positive velocity

3. What is the displacement at the end of 4 s ?

maximum negative velocity

maximum total displacement
the
in the negative direction

4(a). What distance was covered during
time between 3 & 4 s ?

maximum total displacement
in the positive direction

positive acceleration

(b) Was the motion forward or backward
during this time ?

negative acceleration

maximum positive acceleration

maximum negative acceleration

constant velocity

constant acceleration

zero velocity

zero acceleration

