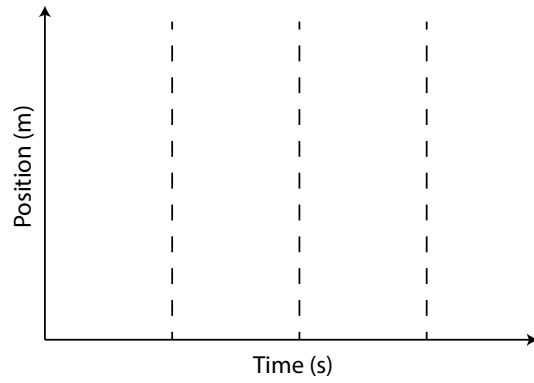
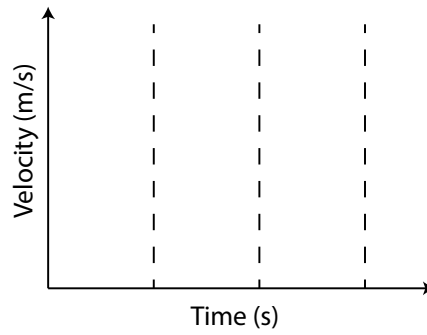
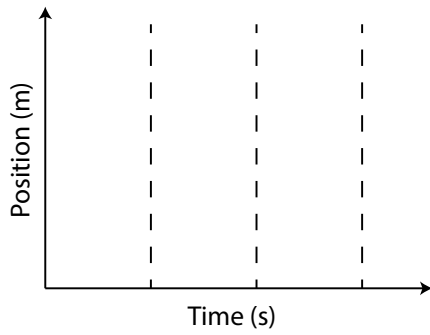


# Lab 8: Position and Velocity

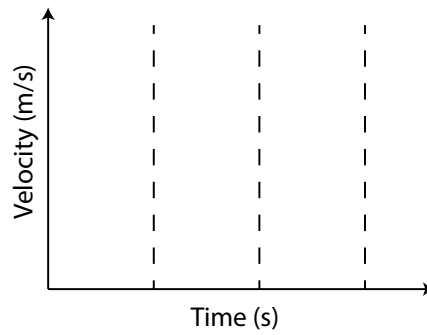
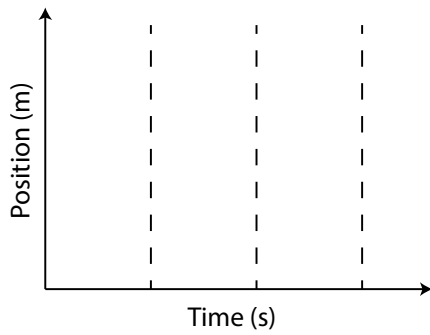
1.



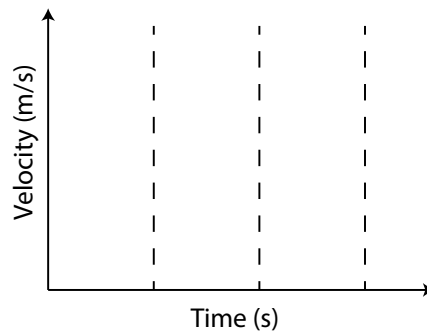
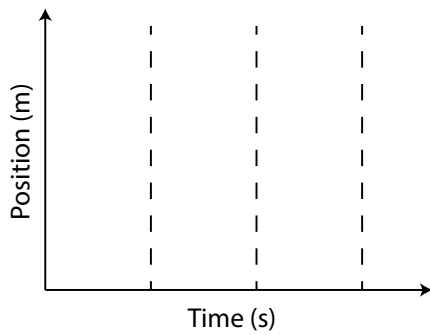
3.



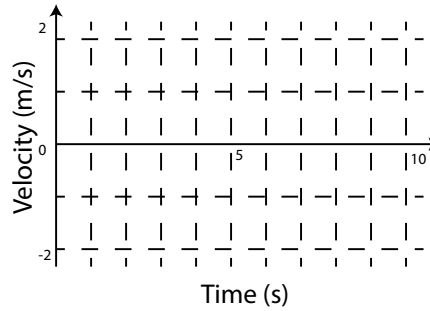
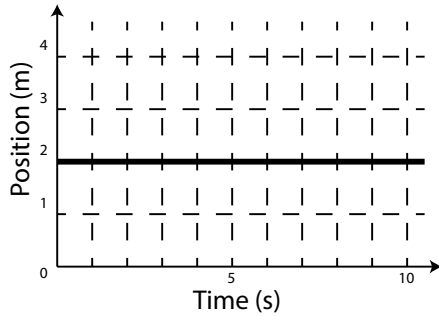
4.



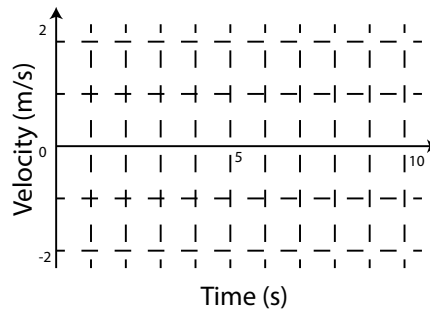
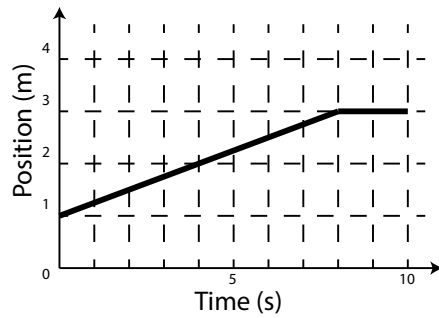
5.



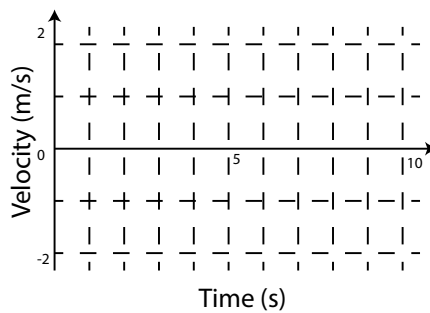
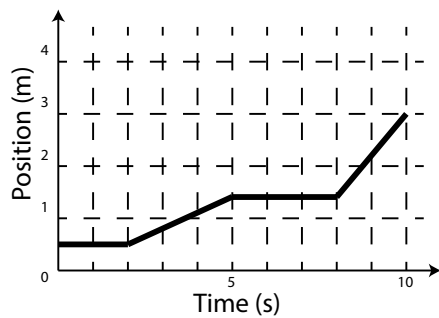
7. (a) Written description of motion:



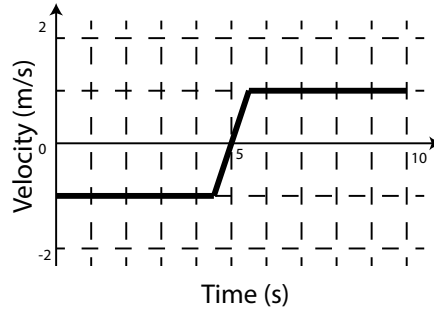
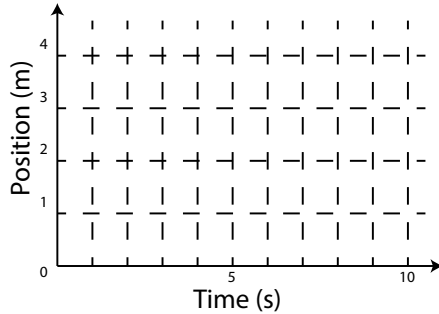
(b) Written description of motion:



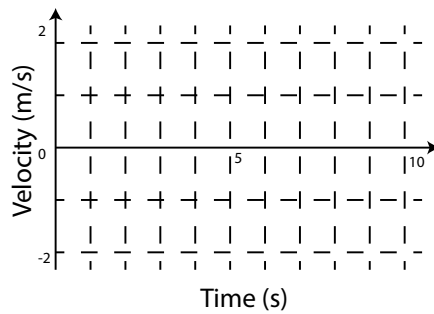
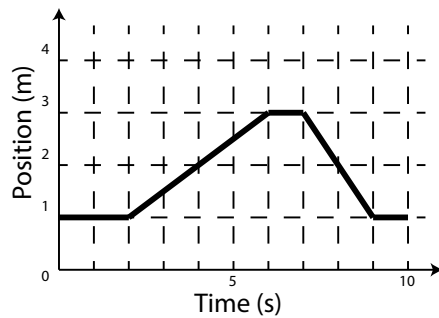
(c) Written description of motion:



(d) Written description of motion:



(e) Written description of motion:



(f) Written description of motion:

From a starting position at  $x = 3\text{m}$ , stand still for 1 second, then walk towards the detector at a speed of  $2\text{ m/s}$  and stop when you are  $1\text{ m}$  away from the detector. After 2 seconds at the  $1\text{ m}$  location, increase your position variable at a rate of  $0.5\text{ m/s}$  for 4 seconds. Then remain still for the final 2 seconds.

