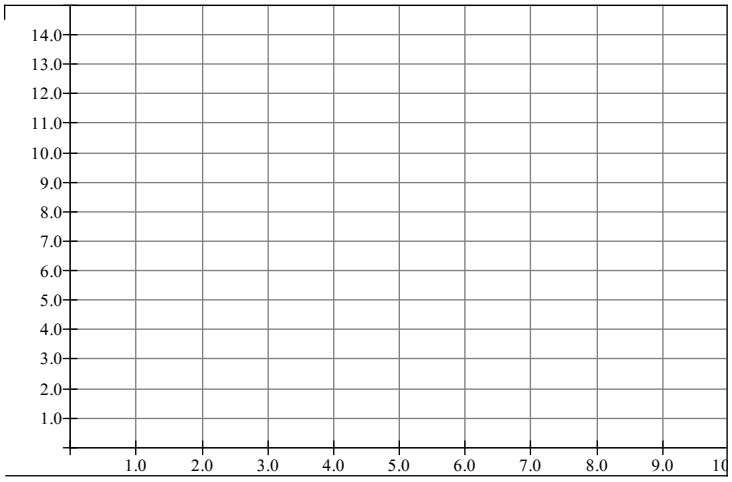
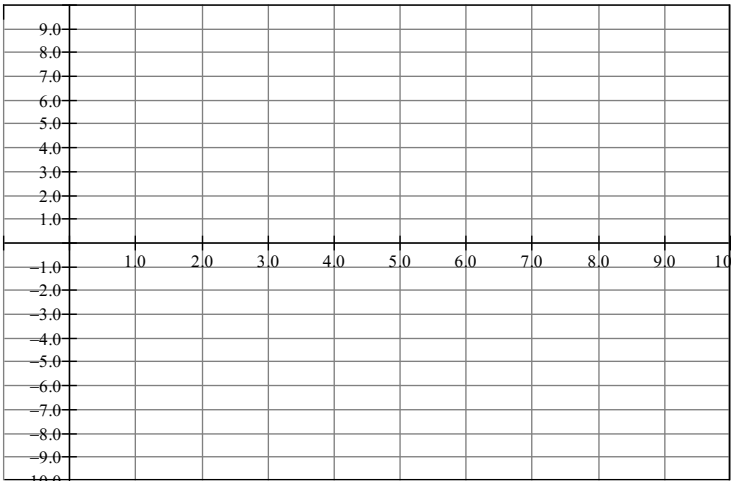
Graphing Distance, Displacement, Speed and Velocity Worksheet

1. Given the following mapping directions create distance and displacement vs. time graphs for the motion.

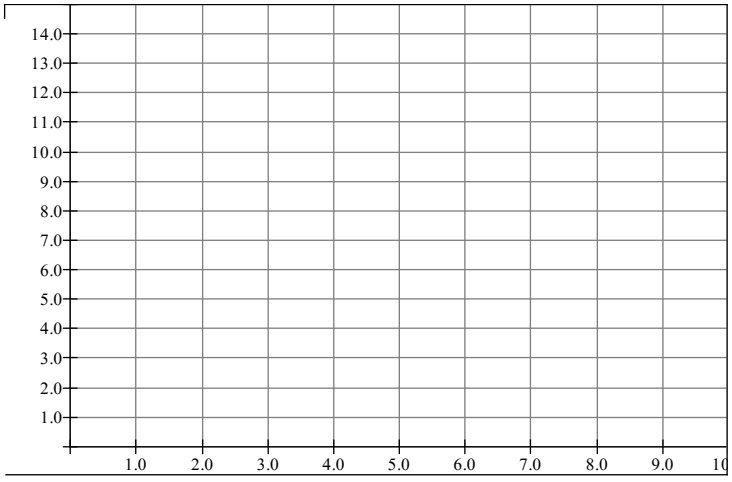
Emily ran 2m [E] in 3s, 5m [W] in 2s, 1m [W] in 2s, 5m [E] in 3s

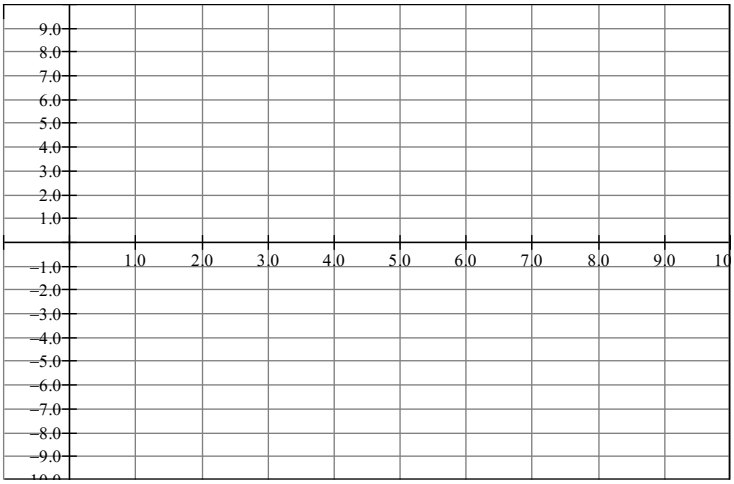




2. Given the following mapping directions create distance and displacement vs. time graphs for the motion.

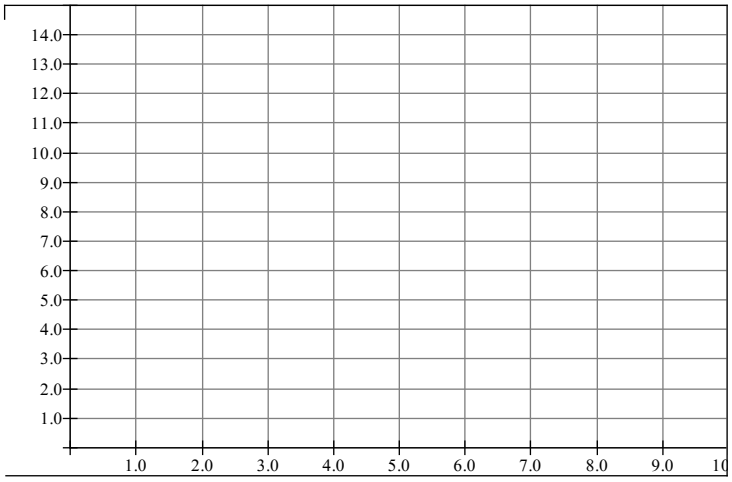
Kurtis ran 4m [E] in 2s, 5m [W] in 2s, 3m [W] in 1s, 2m [E] in 5s

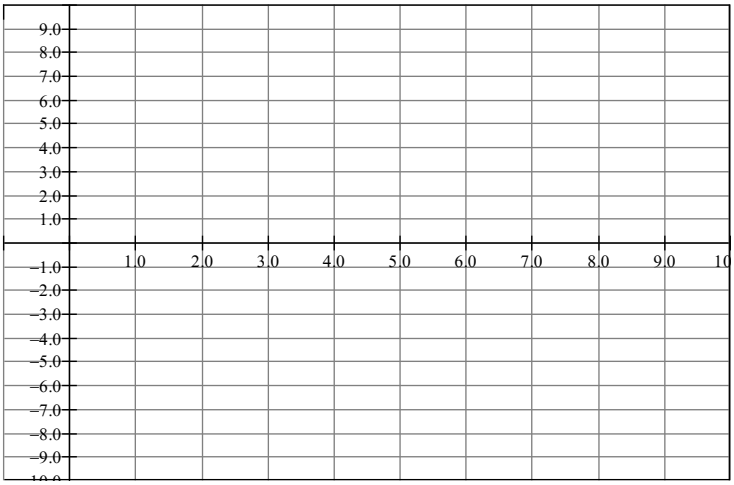




3. Given the following mapping directions create speed and velocity vs. time graphs for the motion.

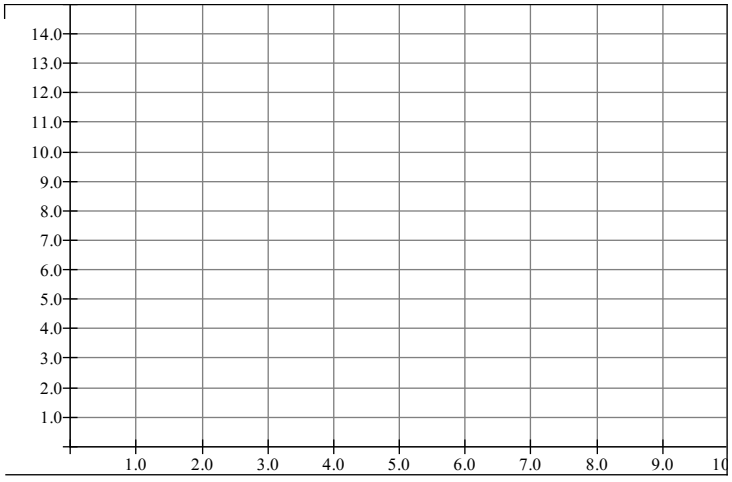
Josh ran 4m [E] in 2s, 5m [W] in 1s, 3m [W] in 1s, 2m [E] in 2s

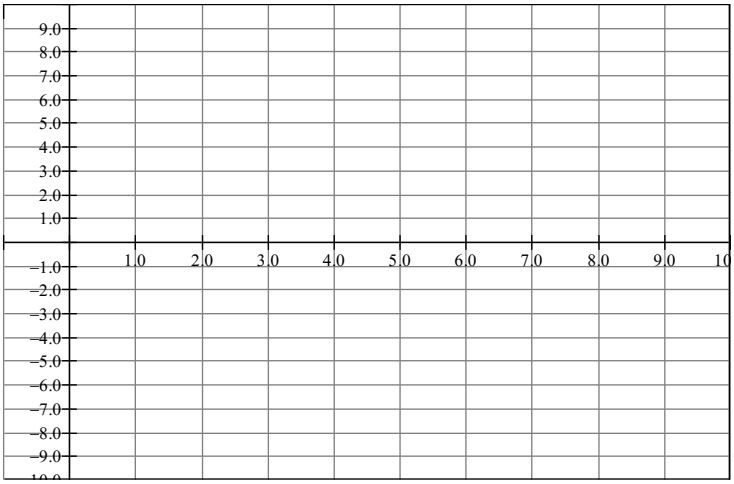




4. Given the following mapping directions create speed and velocity vs. time graphs for the motion.

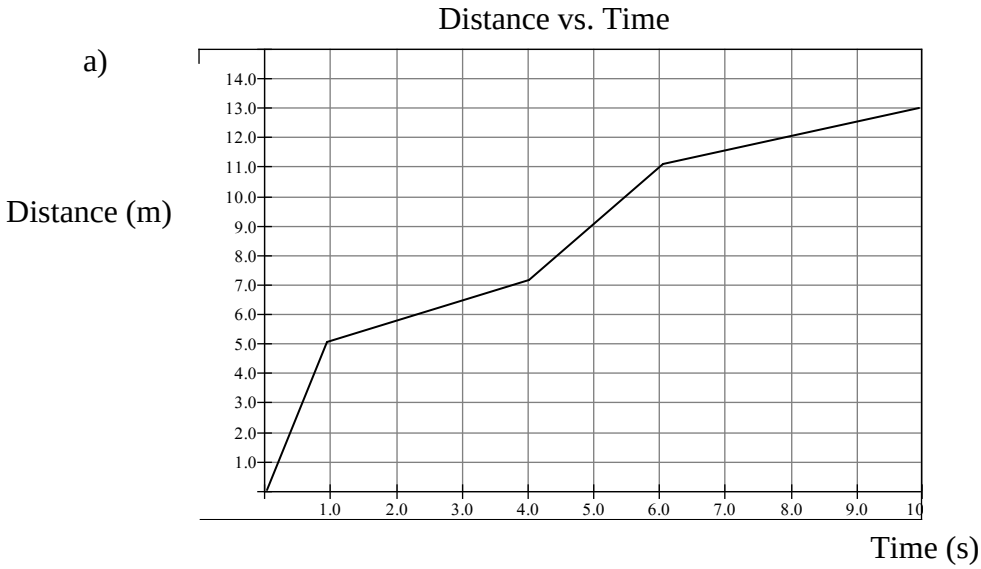
Cody ran 10m [E] in 5s, 5m [W] in 2s, 6m [W] in 1s, 7m [E] in 2s



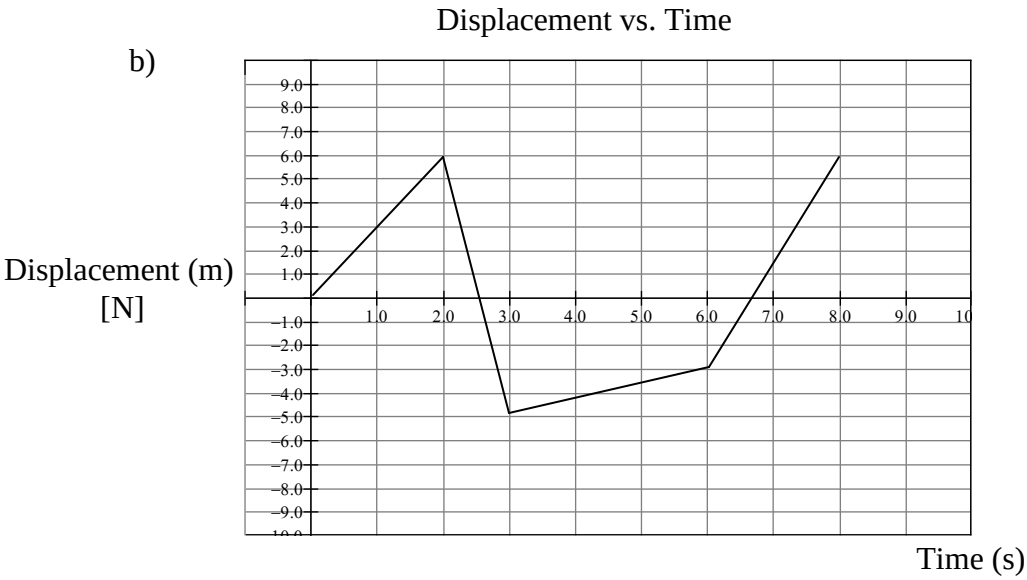


5. For each of the following graphs provided the original mapping directions.

a)



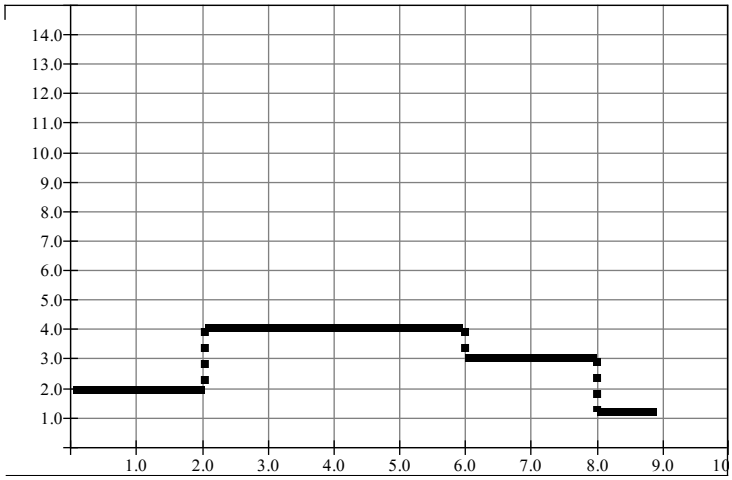
b)



6. For each of the following graphs provided the original mapping directions.

Speed vs. Time

a)



Velocity vs. Time

b)