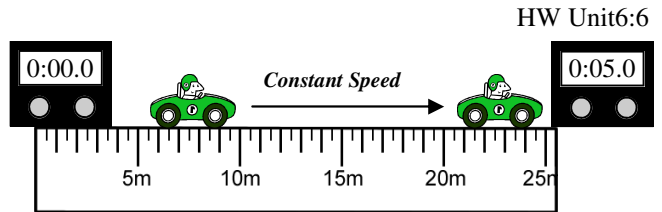
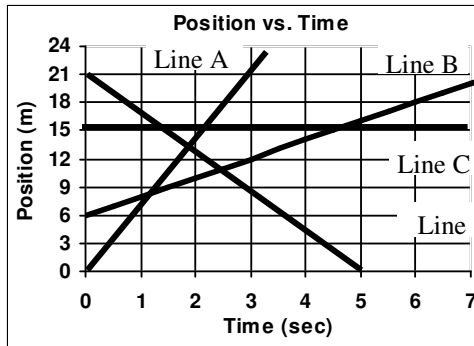


Name: _____

Period: _____

- What is a vector?
- A person is walking 2 m/s as they turn a corner.
 - Does their speed change?
 - Does their velocity change?
 - Are they accelerating?
- A car accelerates at 3m/s^2 .
 - How much velocity does it gain every second?
 - If it starts at rest, how fast is it going after 3 seconds?
- A 5 kg object is going 4 m/s. Find momentum (*Show work!*).
- A car going 30 m/s stops in 3 seconds. Find its acceleration.
- Car A is going 5 m/s. Car B is going 2 m/s.
 - Which has a faster speed?
 - Which one goes farther first?
 - Which one takes more time to get to 40 m?
 - Which one travels a greater total distance?
- Which has more momentum:
 - Fast hammer or slow hammer?
 - Fast hammer or fast piece of paper?
 - Fast hammer or a nail in the wall?

- Which line is
 - Fastest?
 - Negative speed?
 - Slow + speed?
 - At rest?
 - Going backwards?
 - Where does Object A start?
 - Which takes 3 s to get to 21 meters?
 - What does the slope of this graph tell us?
 - Find the slope of Line B.



- Which is the independent variable on the graph?
- A car going 25 m/s stops. Which is v_i , v_f or a ?

10. Find the speed of the above car (*show work*).

11. If two objects have net momentum of 10 kgm/s before they collide, how much do they have afterwards?

12. Find the net momentum of these two objects:

