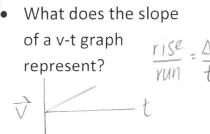
gpb video:

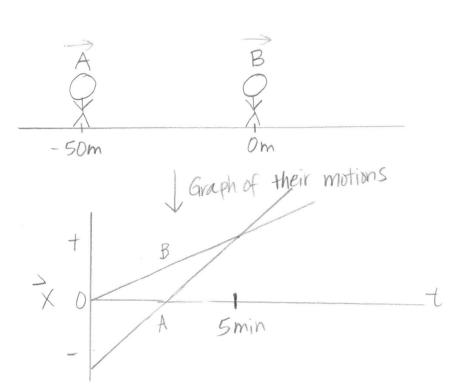
Phys Std:

Review Question from d-t graph lesson:

- See the diagram to the right.
  - a) Label each line on the graph as A or B
  - b) Which person is walking with a faster pace?
  - c) In which direction are they traveling?
  - d) What happens at t=5 min?



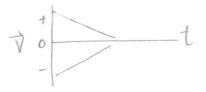
 How do you tell if the object is at a constant speed or accelerating?

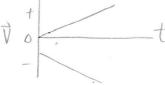


- Slope = rise/run = change in velocity/time =  $\Delta \vec{v}/t$
- Slope = acceleration (the sign of the slope indicates the direction of acceleration)
  - Constant  $\vec{v}$ : velocity doesn't change => FLAT LINE  $\vec{v}$   $\vec{v}$
  - Accelerating: velocity changes => STRAIGHT LINE if v
    changes at a constant rate; CURVED LINE if v
    changes at different rates

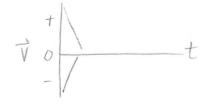
Slowing down (approaches 0):

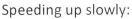
Speeding up (goes away from 0):

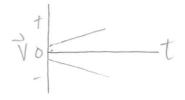


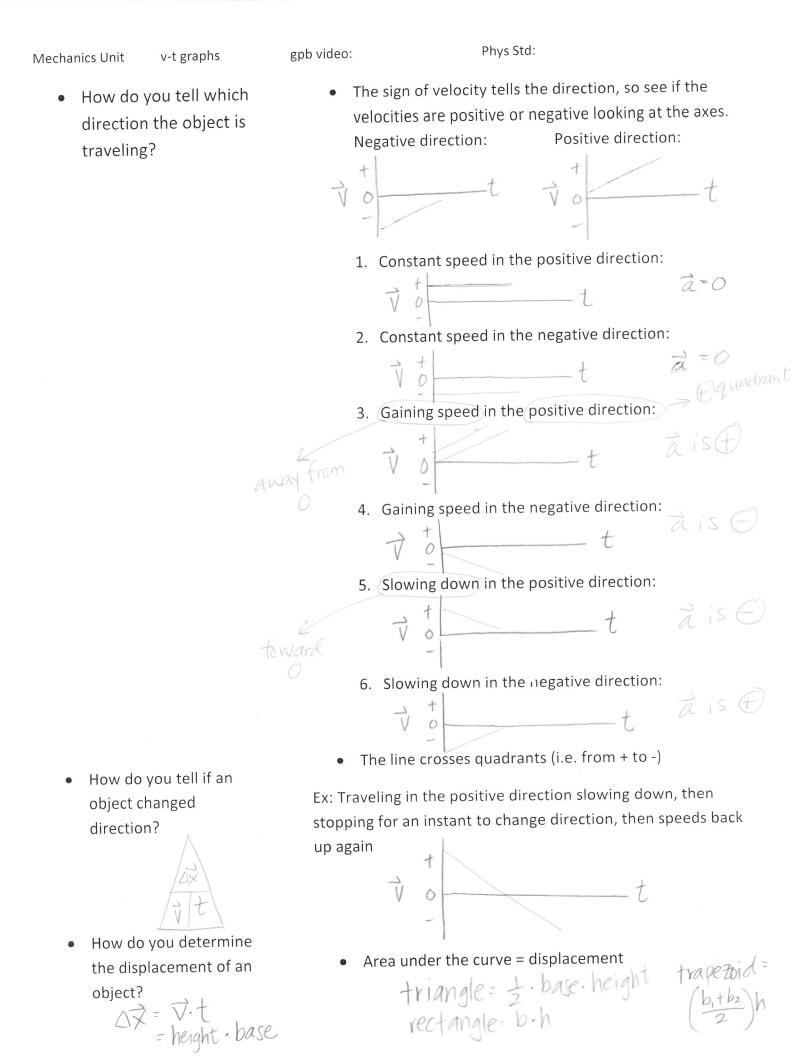


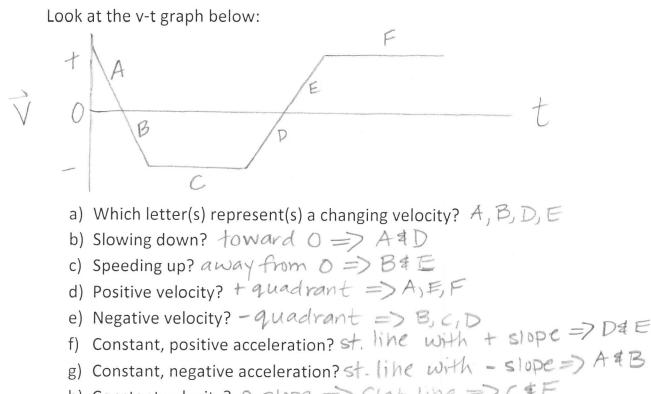
Slowing down quickly:











h) Constant velocity? O slope => flat line => c + F

Look at the  $\vec{v}$ -t graph below:

