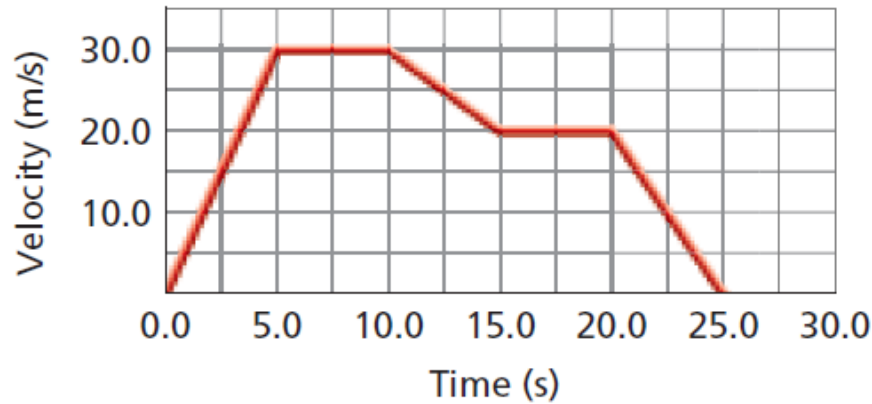
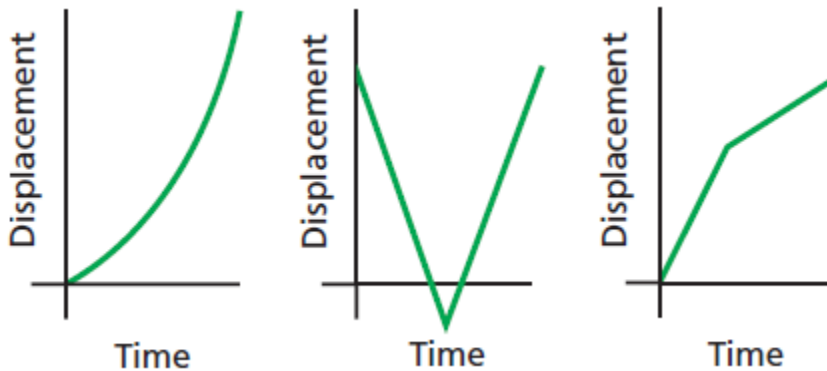


## 1-Dimensional Motion Graphing Practice

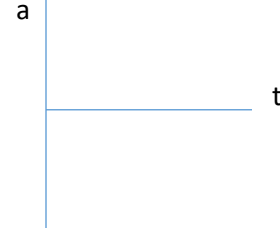
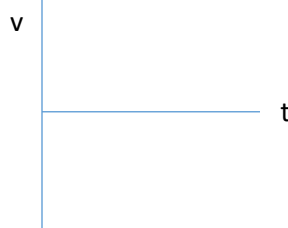
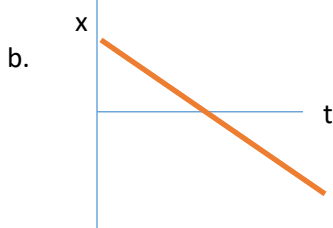
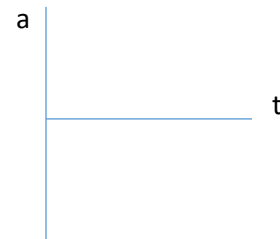
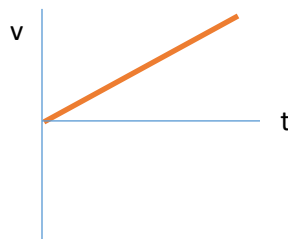
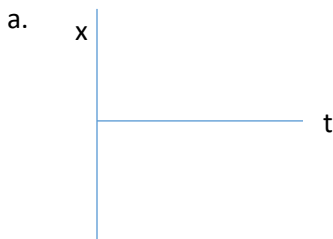
1. Use this velocity-time graph to answer the following questions:

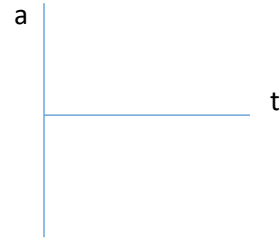
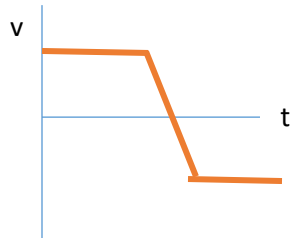
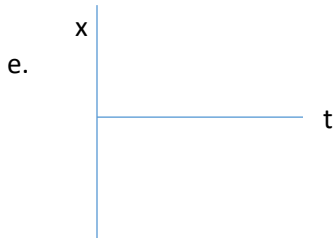
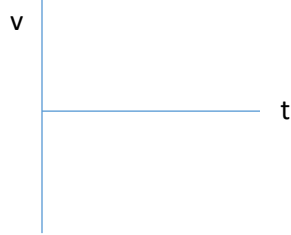
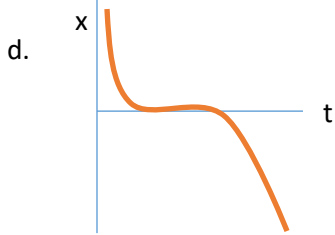
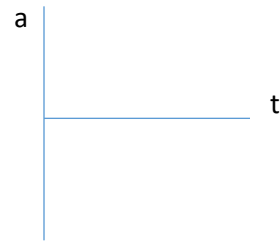
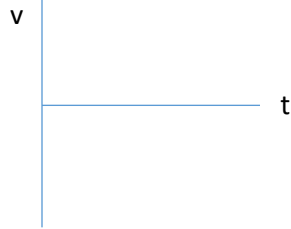
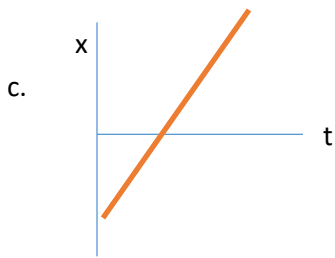


- Use the graph to calculate displacement. Show all of your work.
  - Now produce a graph of displacement ( $x$ ) vs time graph based on your answers from the previous question (this graph does not need to be a full page).
  - Use the velocity-time graph above to calculate acceleration. Show all of your work.
  - Now produce a graph of acceleration vs time graph based on your answers from the previous question (this graph does not need to be a full page).
2. Sketch a velocity-time graph for each of the following graphs:



3. Complete the graphs for each situation. List any assumptions you made (+x, etc):





4. For the following graphs, describe both velocity and acceleration as positive, negative, or zero; AND as constant, increasing, or decreasing:

