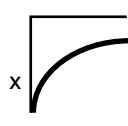
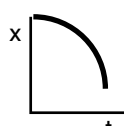
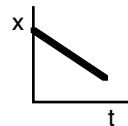
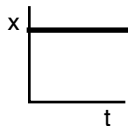
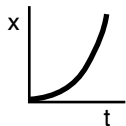


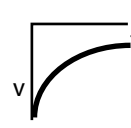
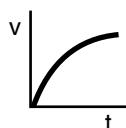
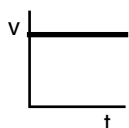
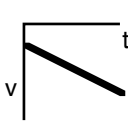
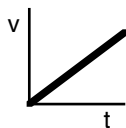
## Motion Graphs I

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1. For each of the following Position versus Time graphs, state whether the motion shows
- i. going forwards or backwards
  - ii. speeding up or slowing down
  - iii. positive acceleration or negative acceleration



2. For each of the following Velocity versus Time graphs, state whether the motion shows
- i. going forwards or backwards
  - ii. speeding up or slowing down
  - iii. positive acceleration or negative acceleration



3. For each of the following situations, sketch Position versus Time and Velocity versus Time graphs that would represent that motion.

a. Traveling forwards with constant speed.

b. Traveling forwards and slowing down.

c. Traveling forwards constant negative acceleration.

d. Traveling backwards and speeding up.

e. Traveling with negative velocities and a constant positive acceleration.