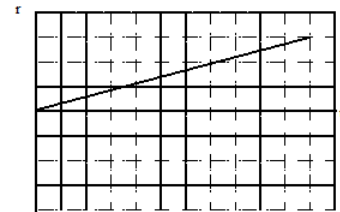
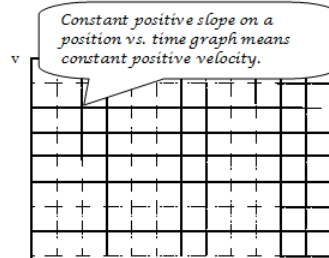
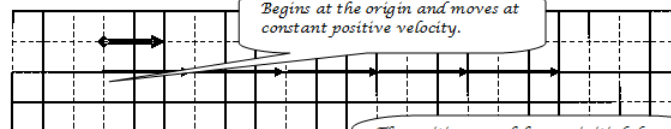


For each of the position vs. time graphs below, construct a corresponding motion diagram and velocity vs. time graph.

a. Motion Graphs



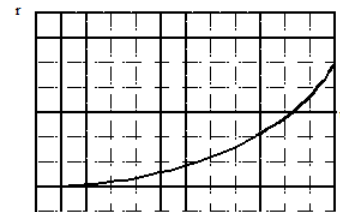
Motion Diagram



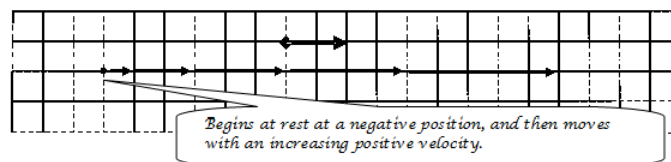
Constant positive slope on a position vs. time graph means constant positive velocity.

Begins at the origin and moves at constant positive velocity.

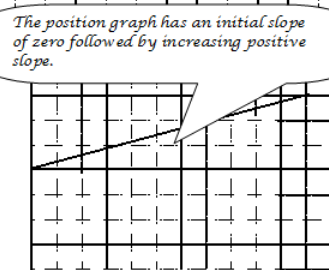
b. Motion Graphs



Motion Diagram



Begins at rest at a negative position, and then moves with an increasing positive velocity.



The position graph has an initial slope of zero followed by increasing positive slope.