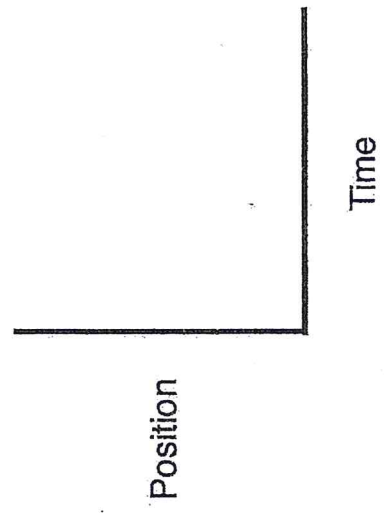


Position vs. Time

Graphs

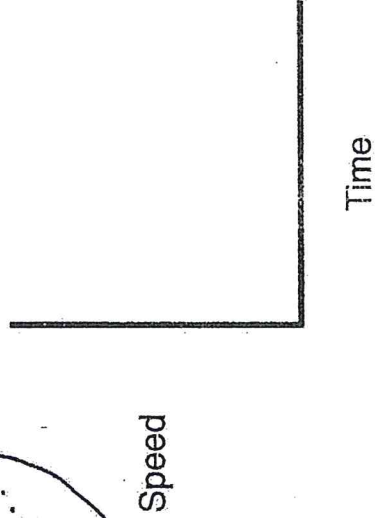
slope = speed



Speed vs. Time

Graphs

slope = acceleration



The shape of a graph tells a story...



Pattern	Looks like...	The object is...
horizontal line		not moving
positive slope		at constant speed
negative slope		at a constant speed, moving backwards, towards the reference point
curve		changing its speed
steep line		at a relatively fast constant speed

Pattern	Looks like...	The object is...
horizontal line		at constant speed
positive slope, straight line		positive acceleration, increasing speed
negative slope, straight line		negative acceleration, decreasing speed
curve		changing acceleration; changing speed at a changing rate