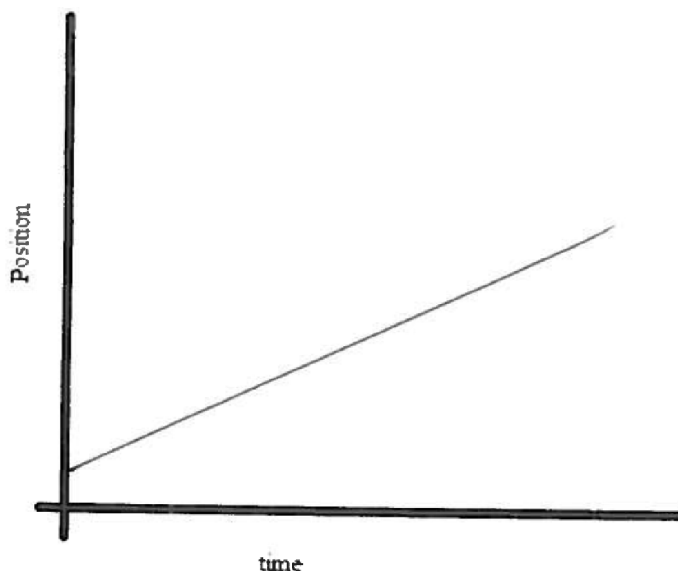


2.1 Acceleration Exercise

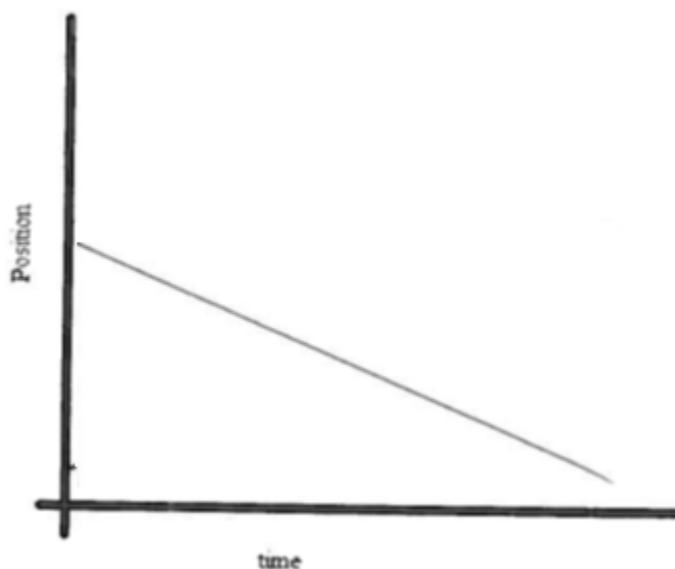
Name _____

Period _____



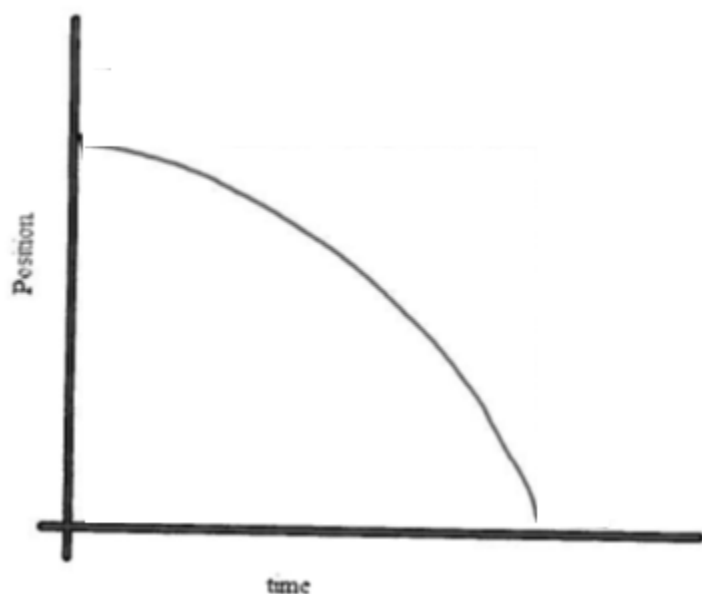
1. Does the cart move toward the detector or away from the detector? Justify your answer with a fact.
2. Does the cart speed up, slow down, or move with constant speed? Justify your answer with a fact.
3. You are assigned to use the motion detector to reproduce the graph shown:
 - (a) Will the track be flat, or slanted?
 - (b) Will you release the cart from rest, or will you give the cart a quick shove?
 - (c) Make a sketch below of your setup, showing the cart, track, and motion detector.
4. Show this sheet to Mr. Skapetis; if your description is complete, then he will allow you to set up the cart and detector to try it out.

2.1 Acceleration Exercise



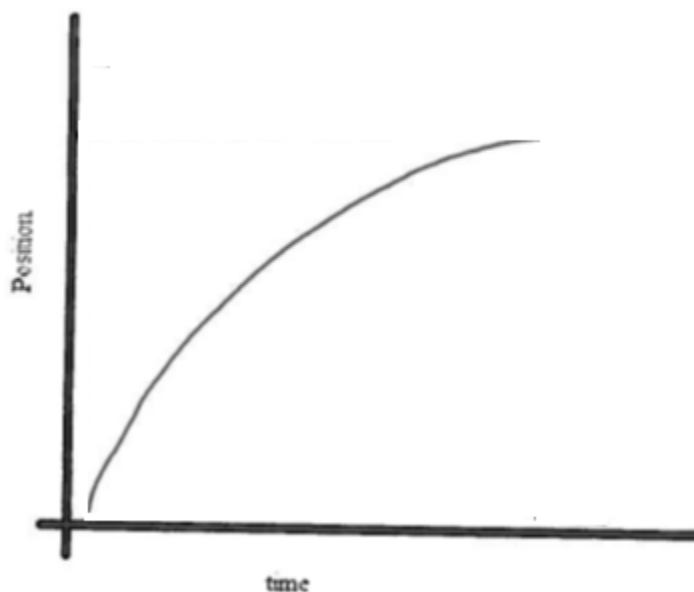
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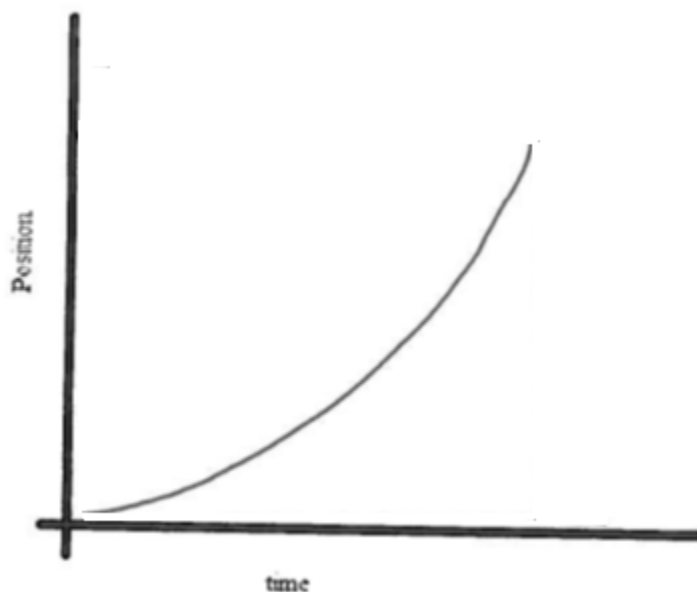
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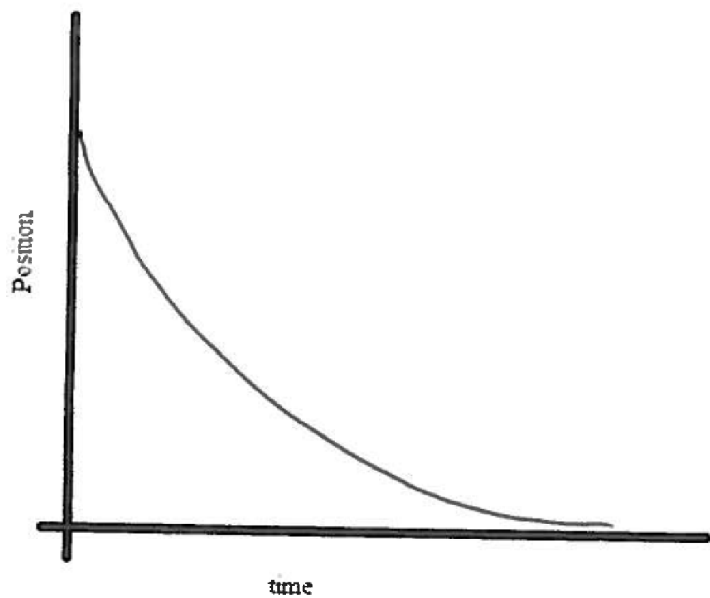
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