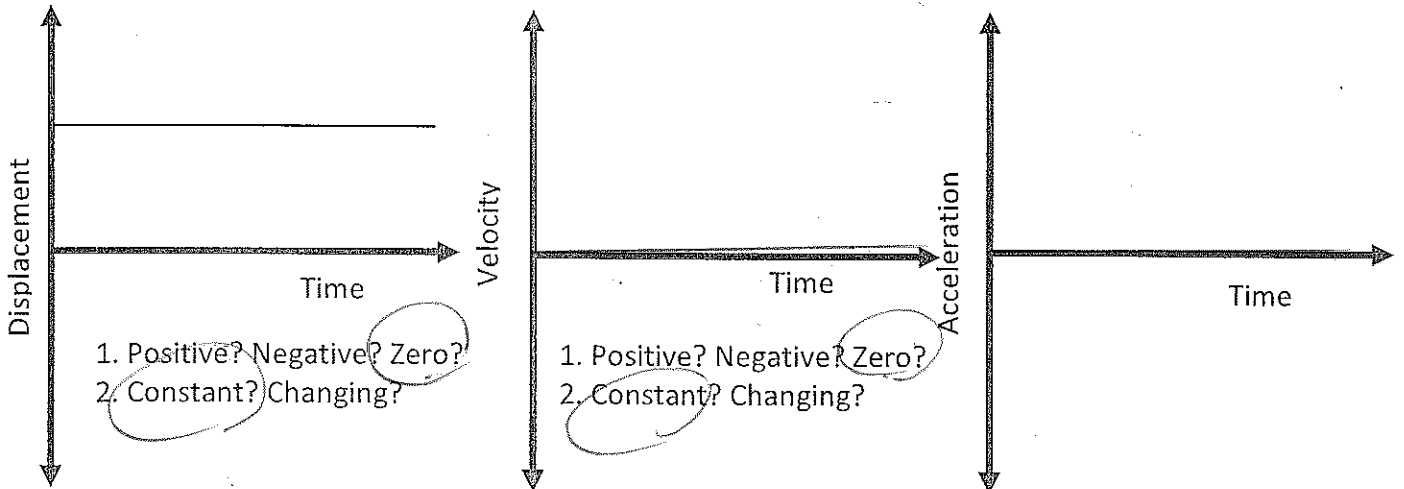
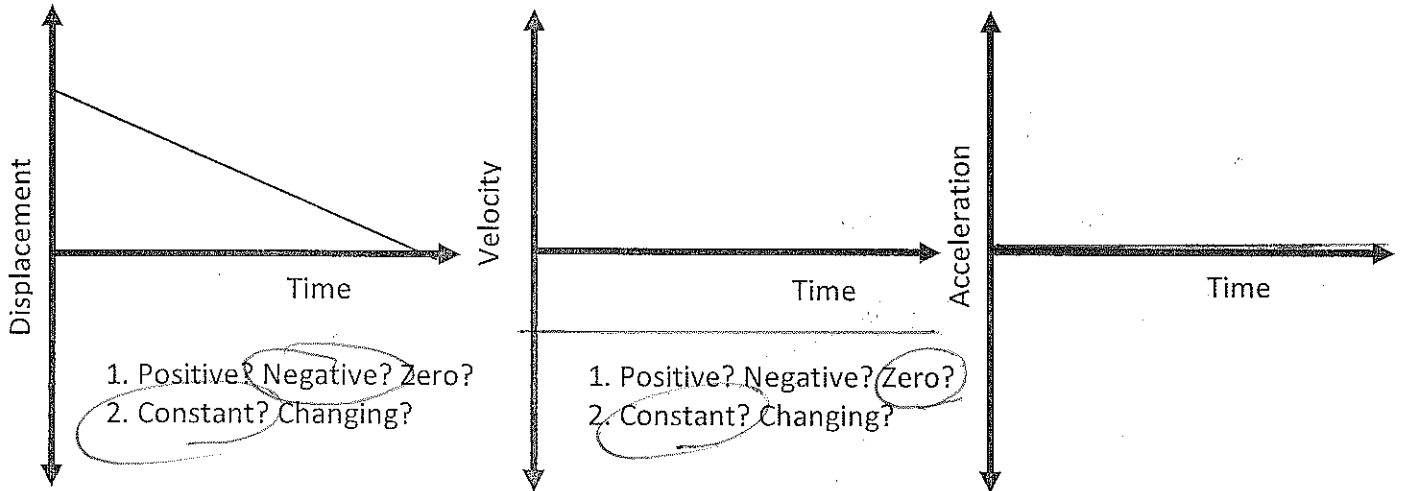
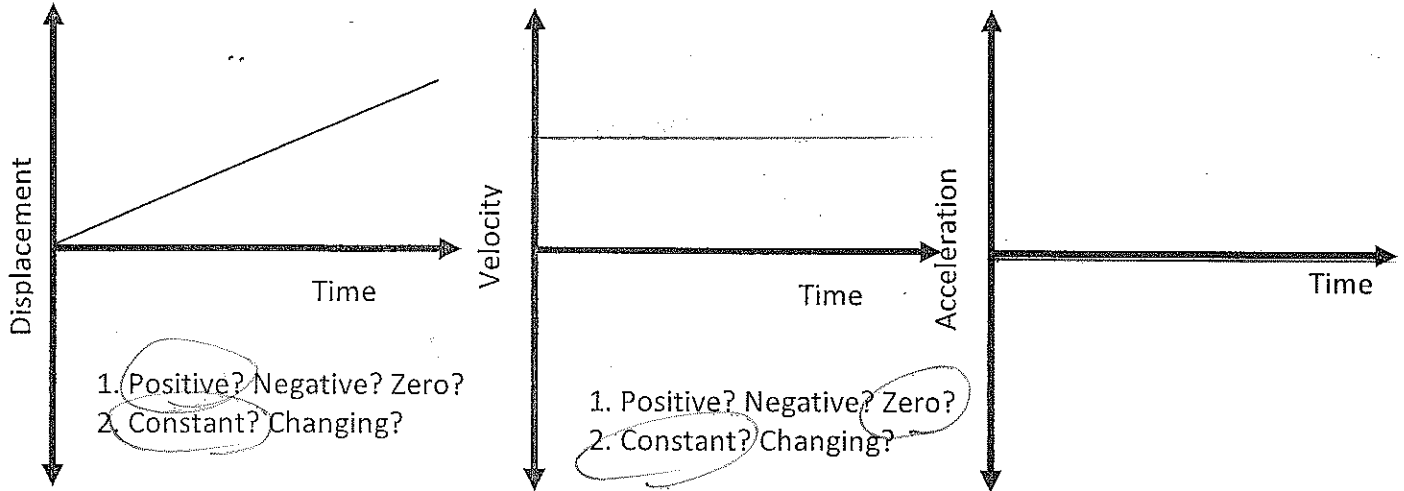
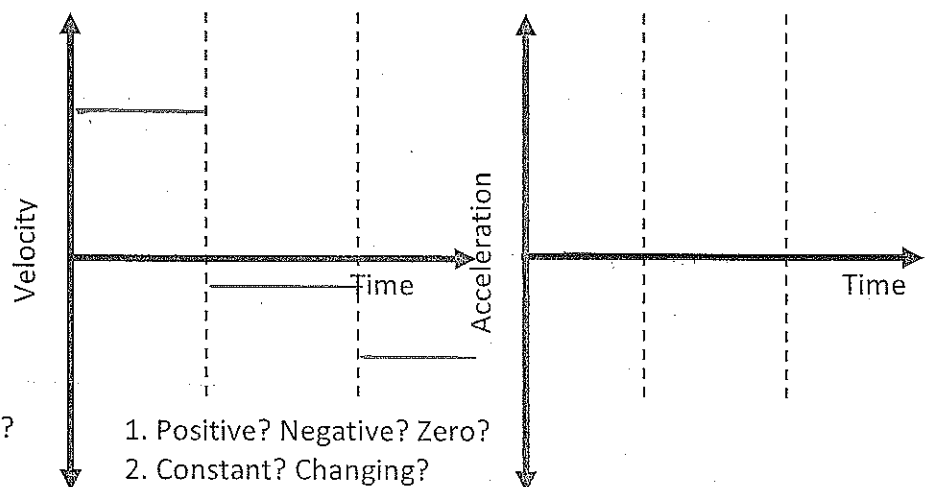
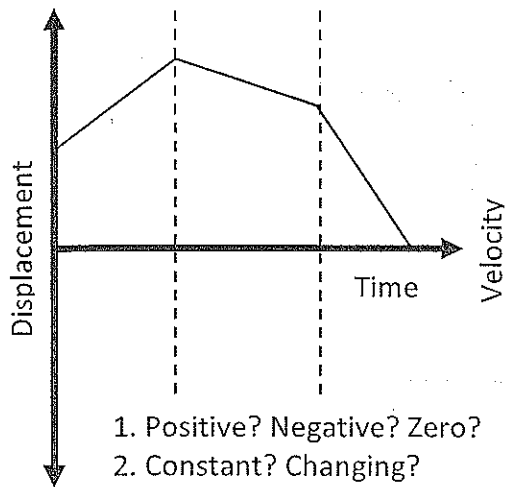
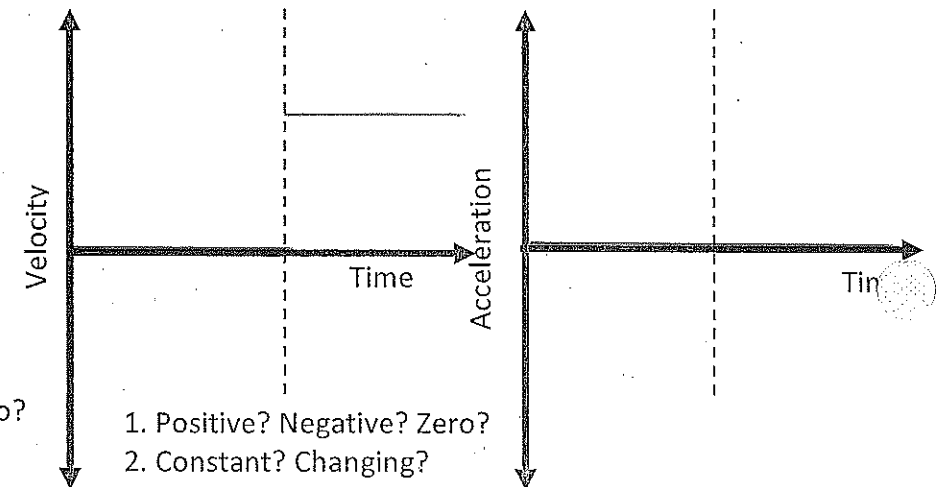
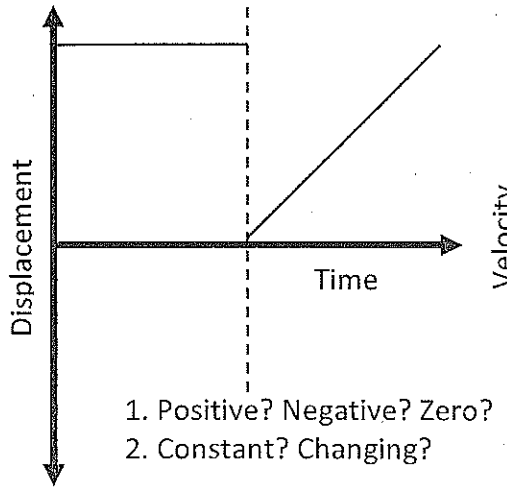
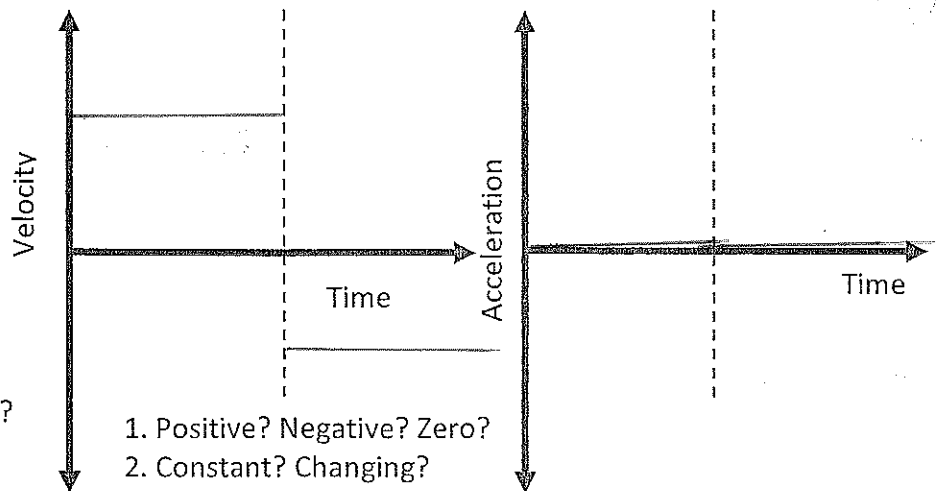
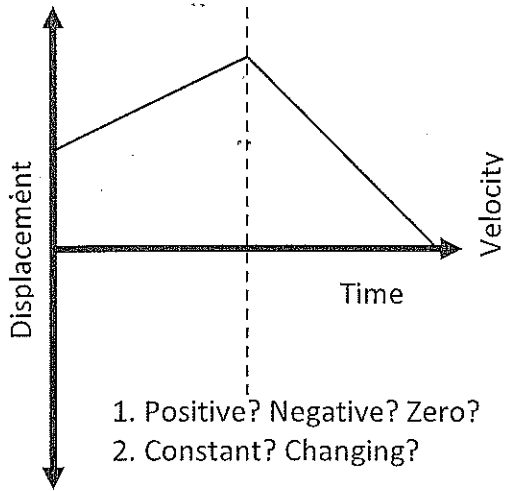
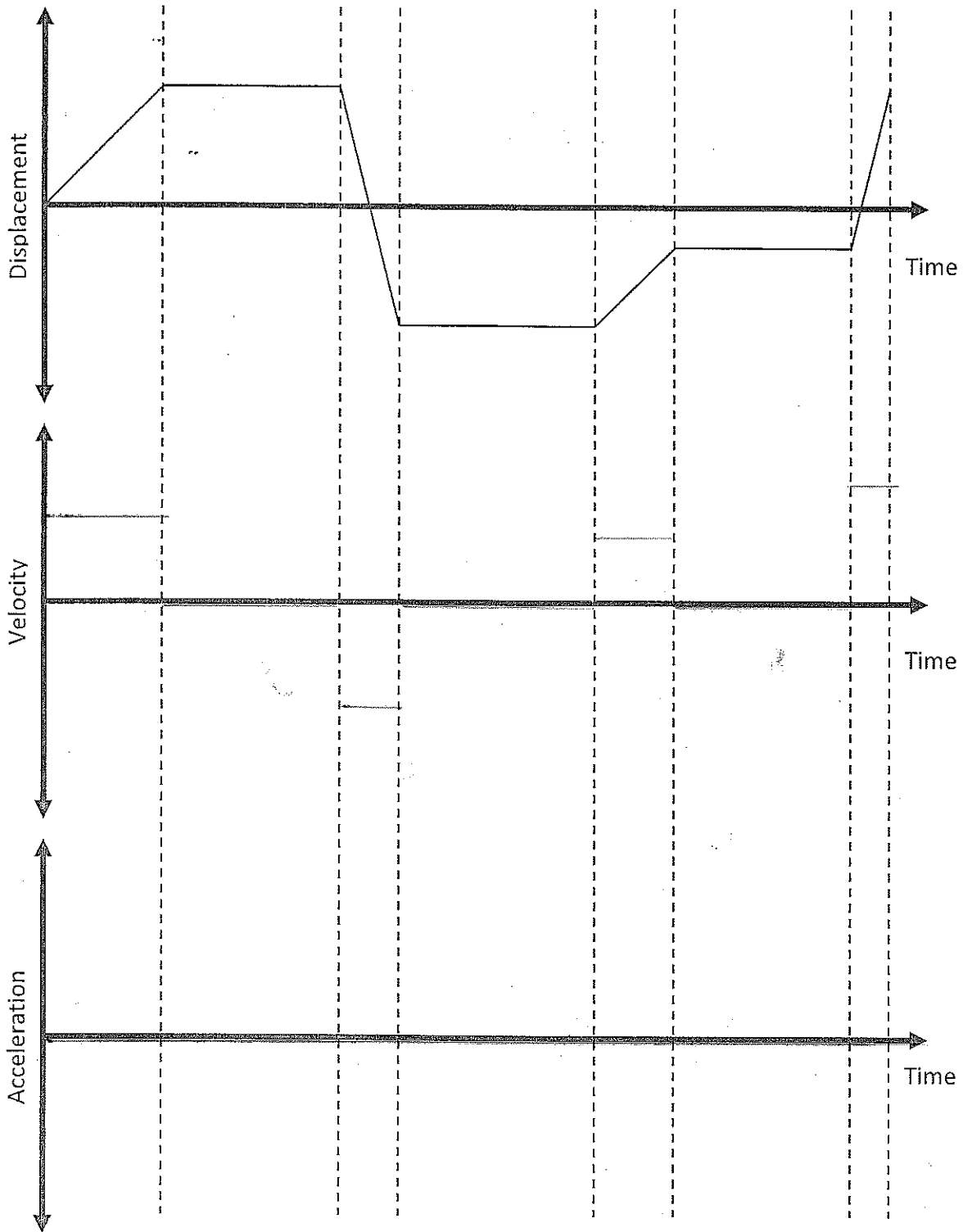


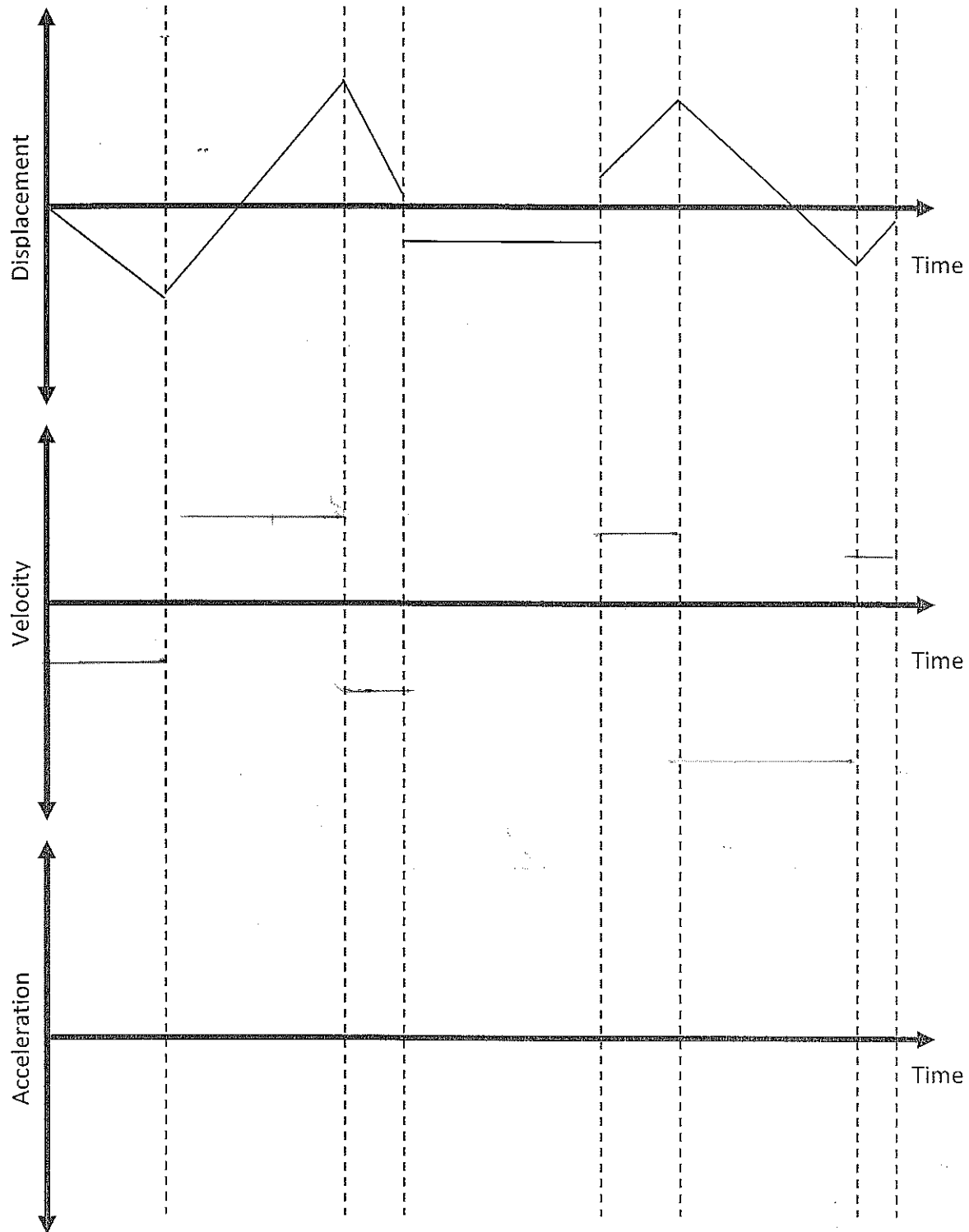
Name: Key

Graphing Motion Review

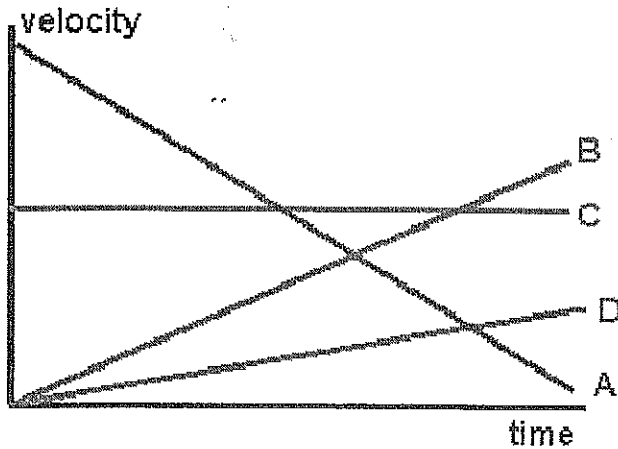








Use the following graph to answer questions 1-3



1. Which object began with the largest velocity?

- A. A
- B. B
- C. C
- D. D

2. Which object has the smallest acceleration?

- A. A
- B. B
- C. C
- D. D

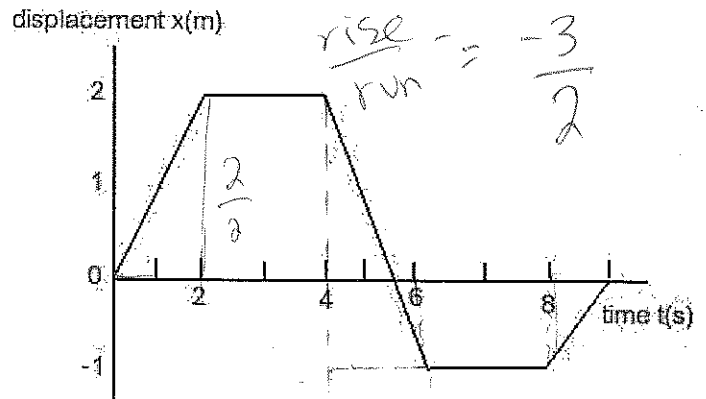
3. Which object has the largest acceleration?

- A. A
- B. B
- C. C
- D. D

4. Which object is traveling with uniform motion?

- A. A
- B. B
- C. C
- D. D

Use the following graph to answer questions 4-5



5. When was the object at rest?

- A. From 2s to 4s
- B. At 0s, 5.5 s, and 9s
- C. From 2s to 4s and 6s to 8s
- D. Never

6. During what time interval(s) was the object accelerating?

- A. During 0-2s
- B. During 4-6s
- C. During 0-2s and 8-9s
- D. Never

7. What was the object's velocity from 4s to 6s?

- A. 1.5 m/s
- B. -1.5 m/s
- C. 0.33 m/s
- D. -0.33 m/s

8. What was the object's greatest velocity?

- A. 1 m/s
- B. 2 m/s
- C. 3 m/s
- D. 1.5 m/s

Matching questions

1. Area under a displacement versus time graph H or O
2. Area under a velocity versus time graph D
3. Area under an acceleration versus time graph M or P
4. Slope of a displacement versus time graph P or M
5. Slope of a velocity versus time graph G
6. Slope of an acceleration versus time graph O or H
7. Magnitude of displacement A
8. Magnitude of Velocity L
9. Positive slope on a velocity versus time graph C
10. Negative slope on a velocity versus time graph N
11. Zero slope on a velocity versus time graph E or J or K
12. Curved slope on a displacement versus time graph I
13. Straight slope on a displacement versus time graph E or J or K
14. X-intercept on a velocity versus time graph F
15. X-intercept on a displacement versus time graph B
16. X-intercept on an acceleration versus time graph E or J or K

- ~~A.~~ Distance
- ~~B.~~ Origin
- ~~C.~~ Positive acceleration
- ~~D.~~ Displacement
- ~~E.~~ Uniform motion (zero acceleration)
- ~~F.~~ Object at rest
- ~~G.~~ Acceleration
- ~~H.~~ Meaningless
- ~~I.~~ Changing acceleration
- ~~J.~~ Uniform motion (zero acceleration)
- ~~K.~~ Uniform motion (zero acceleration)
- ~~L.~~ Speed
- ~~M.~~ Velocity
- ~~N.~~ Negative Acceleration
- ~~O.~~ Meaningless
- ~~P.~~ Velocity

Circle all the apply

What information can be determined from a displacement versus time graph?

- A. Location of the origin
- B. Displacement
- C. Distance..
- D. Velocity
- E. Speed
- F. Acceleration

Explain selections:

A: x-int

B: y-value

C: y-value (ignore integer)

D: slope

E: slope (ignore integer)

What information can be determined from a velocity versus time graph?

- A. Location of origin
- B. Displacement
- C. Distance
- D. Velocity
- E. Speed
- F. Acceleration

Explain selections:

B: area under curve

C: area (ignore integer)

D: y-value

E: y-value (ignore integer)

F: slope

What information can be determined from an acceleration versus time graph?

- A. Location of origin
- B. Displacement
- C. Distance
- D. Velocity
- E. Speed
- F. Acceleration

Explain selections:

D: area under curve

E: sp area under curve (ignore integers)

F: y-value