ABRHS PHYSICS

NAME: KEY

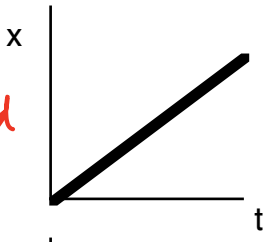
Simple Motion Graphs

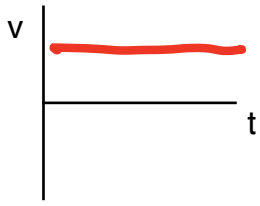
For each of the following position vs. time graphs do the following:

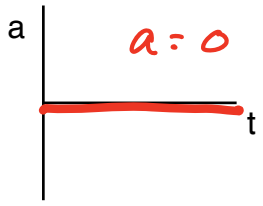
- make a sketch of a possible velocity vs. time and acceleration vs. time for that motion.
- state whether the motion is going forward or backward or at rest.
- describe whether the motion is speeding up, slowing down or constant speed.

F constant speed

1.

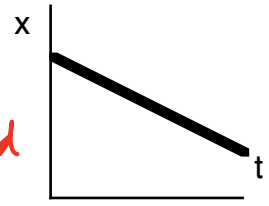


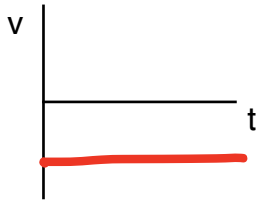


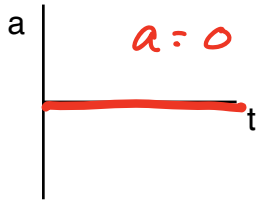


B constant speed

2.

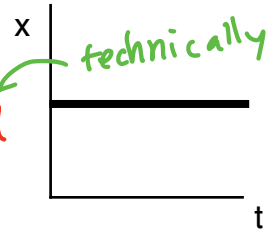


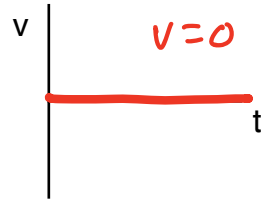


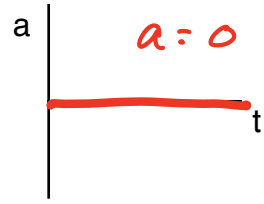


@ rest constant speed

3.

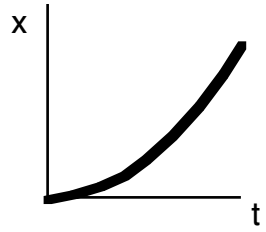


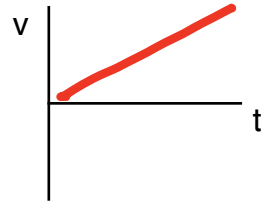


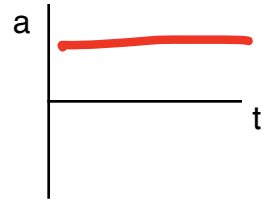


F speeding up

4.

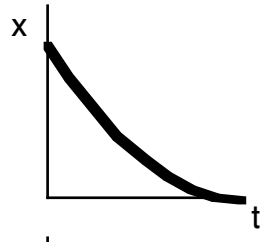


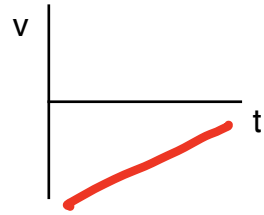


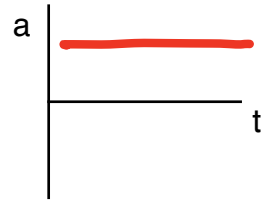


B slowing down

5.

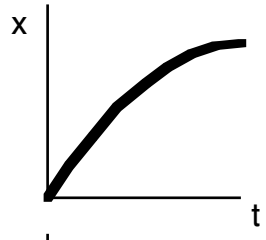


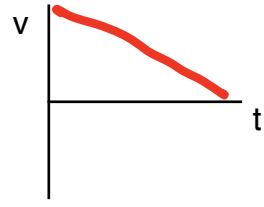




F slowing down

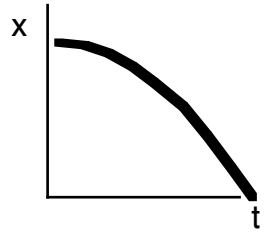
6.

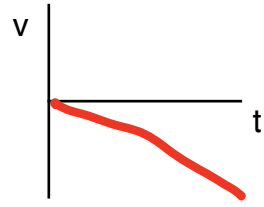


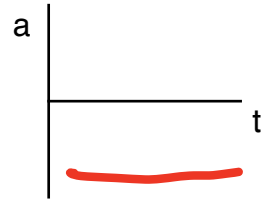


B speeding up

7.







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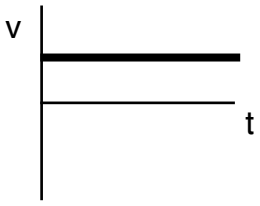
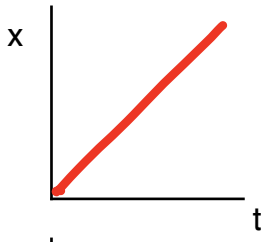
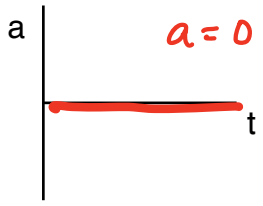
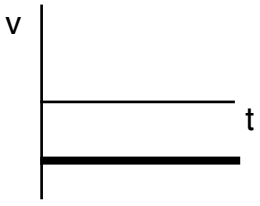


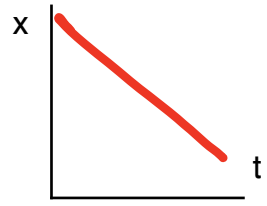


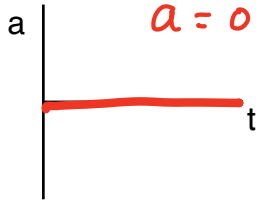


B constant speed

2.

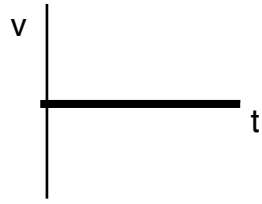


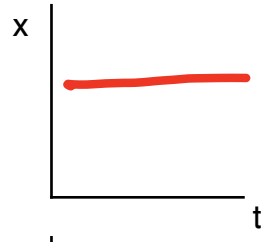


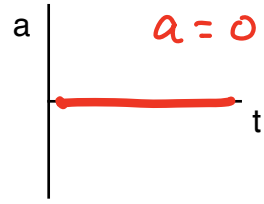


@ rest constant speed

3.

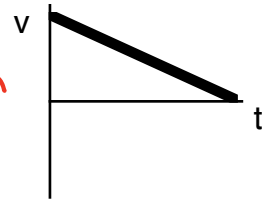


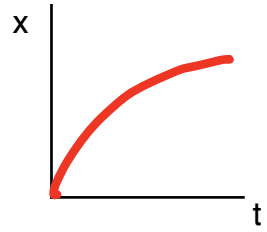


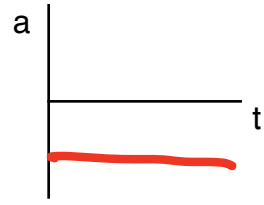


F slowing down

4.



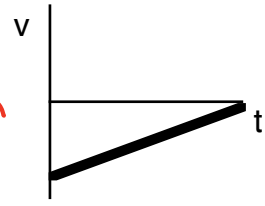


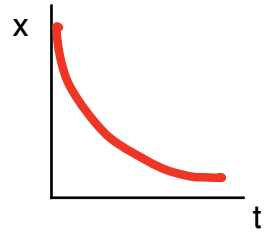


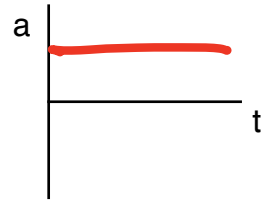
a = −

B slowing down

5.



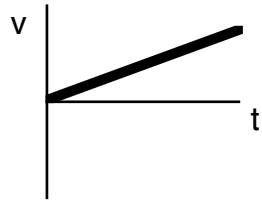


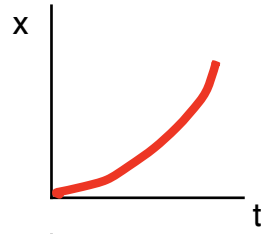


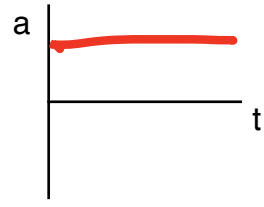
a = +

F speeding up

6.



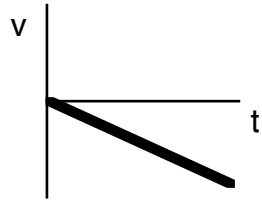


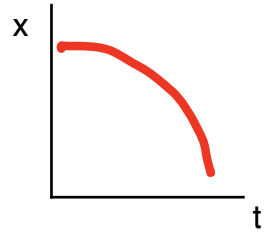


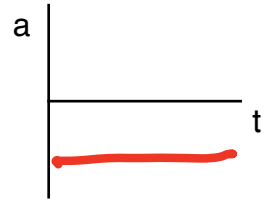
a = +

B speeding up

7.







a =