Section F: Drawing Kinematic Graphs
Unit: One-Dimensional Kinematics
Level 2

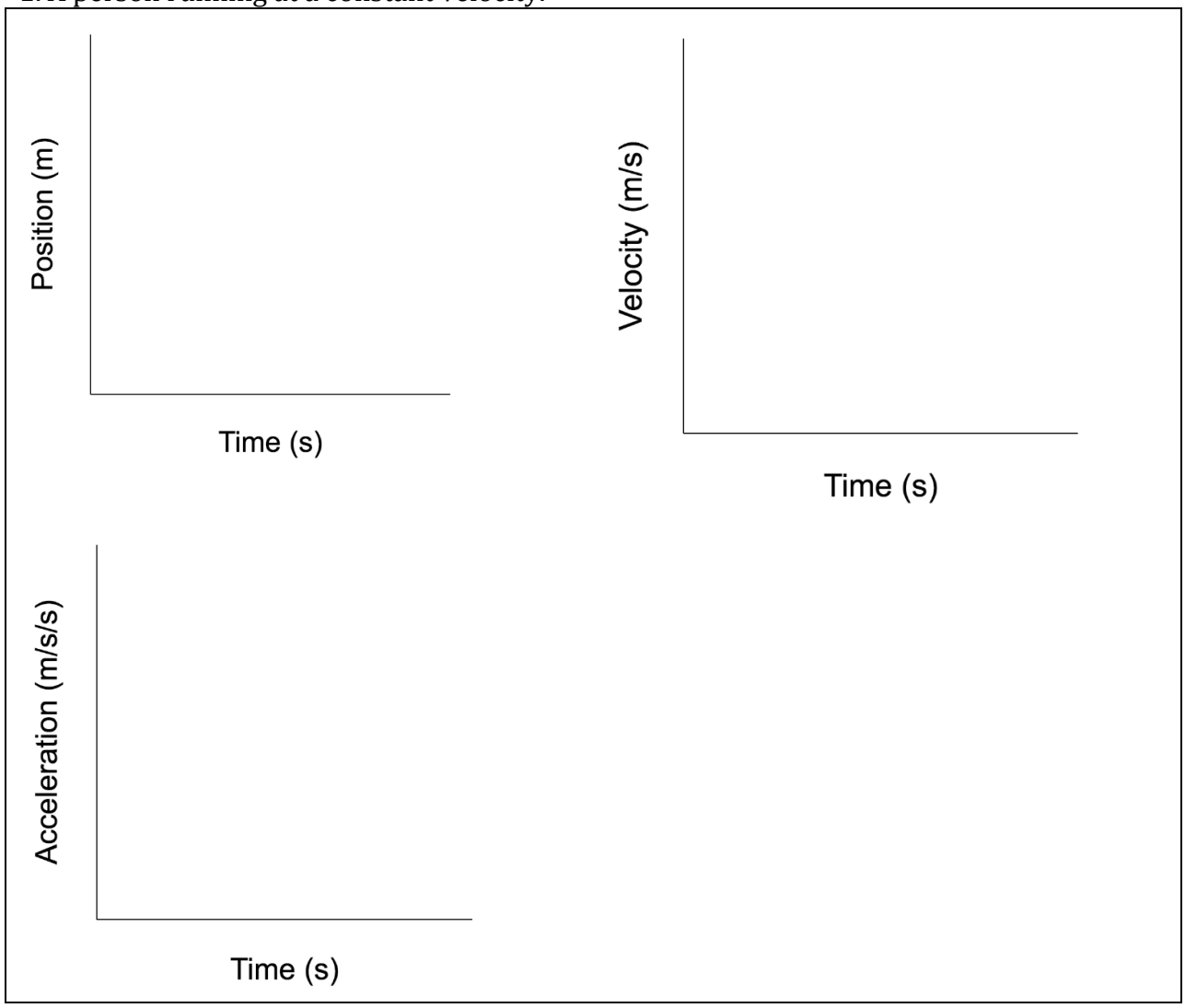
Objective: Draw kinematic graphs for each of the following types of motion:

1. constant velocity motion
2. not moving
3. positive acceleration motion (speeding up)
4. negative acceleration motion (slowing down)

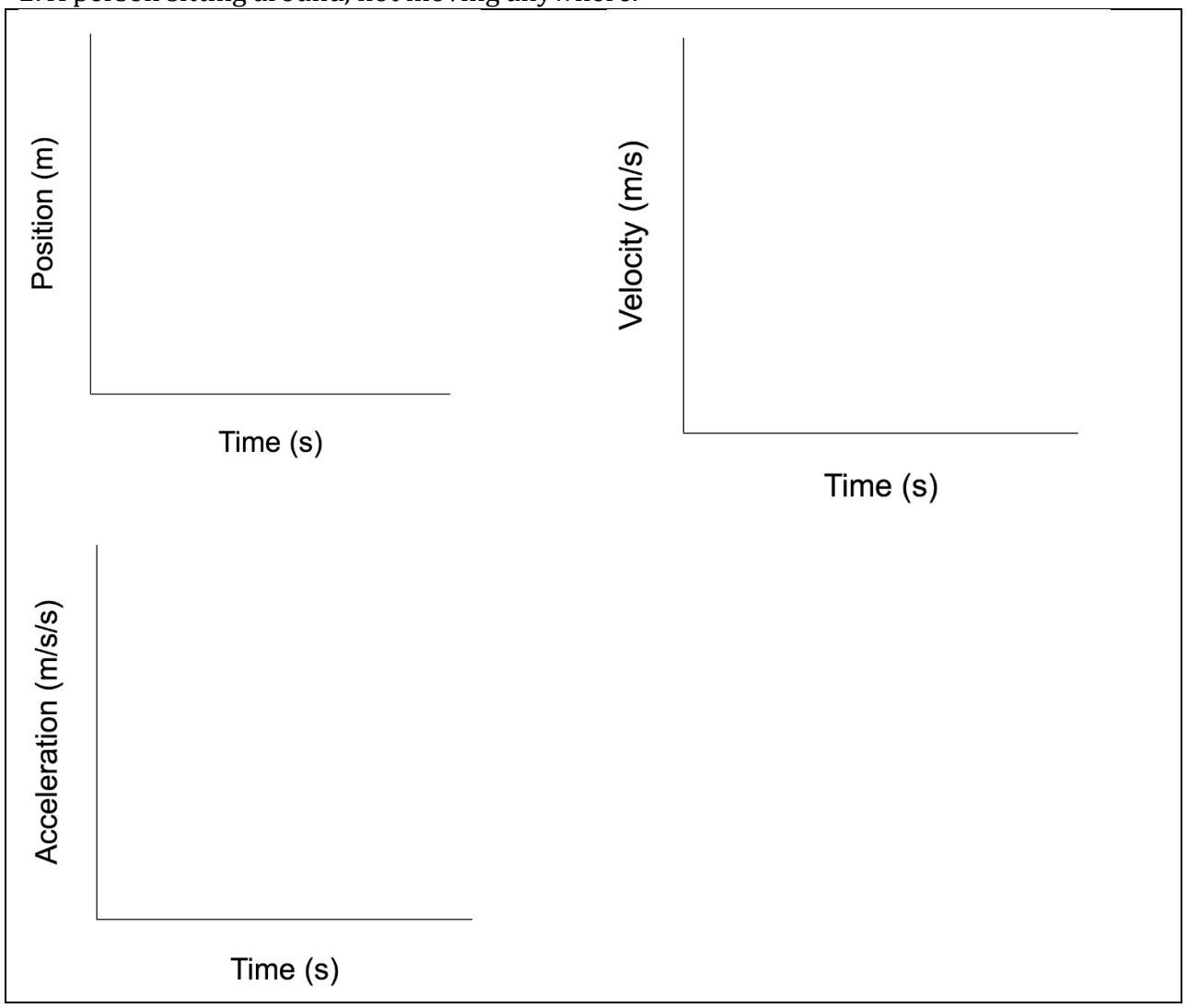
On this quiz, you need to *memorize* and *draw* what the graphs look like.

For each of the following descriptions, draw *all three types of graph* (position-time, velocity-time, and acceleration-time).
Make *sure* that you appropriately label the axes of each graph.

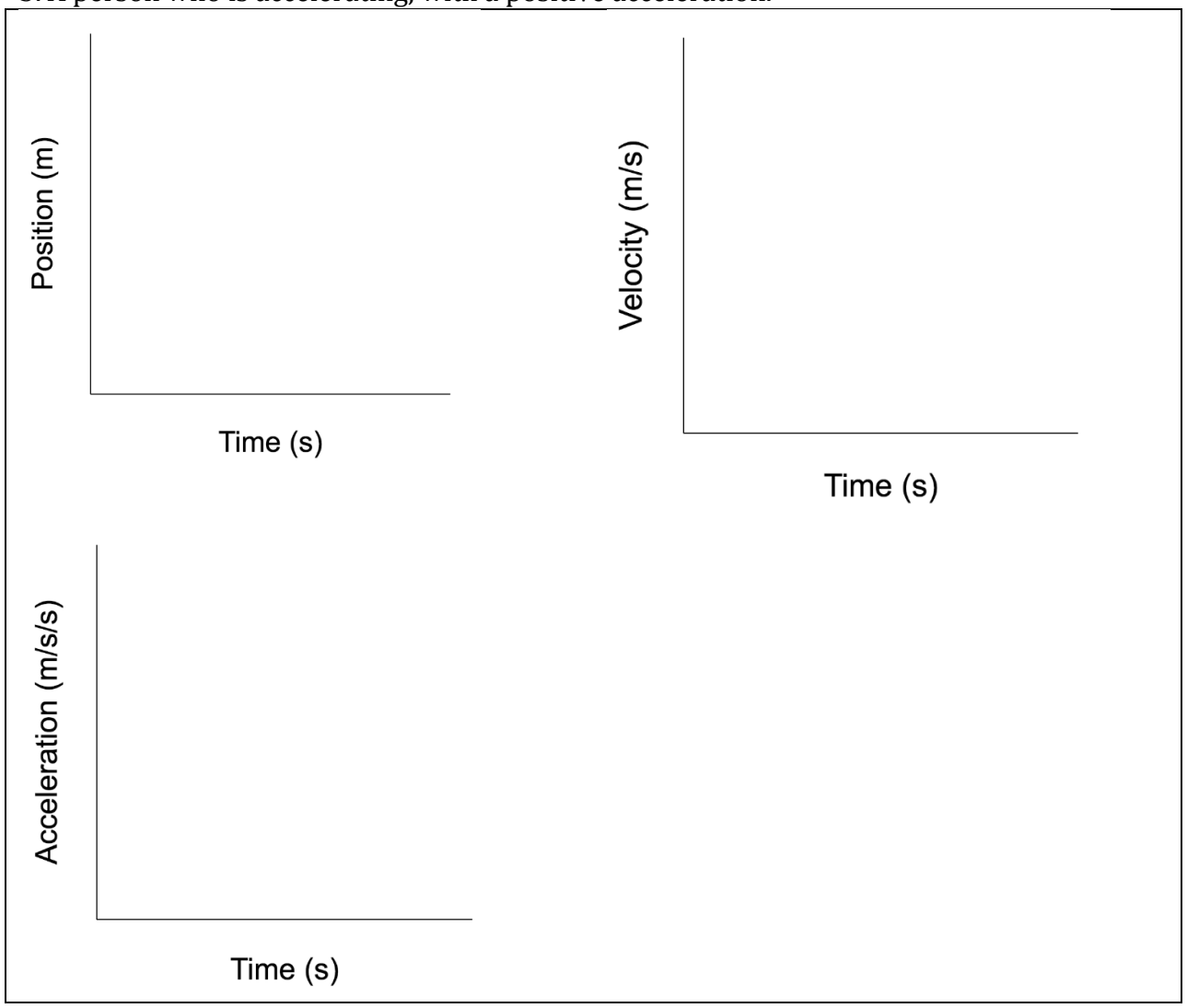
1. A person running at a constant velocity.



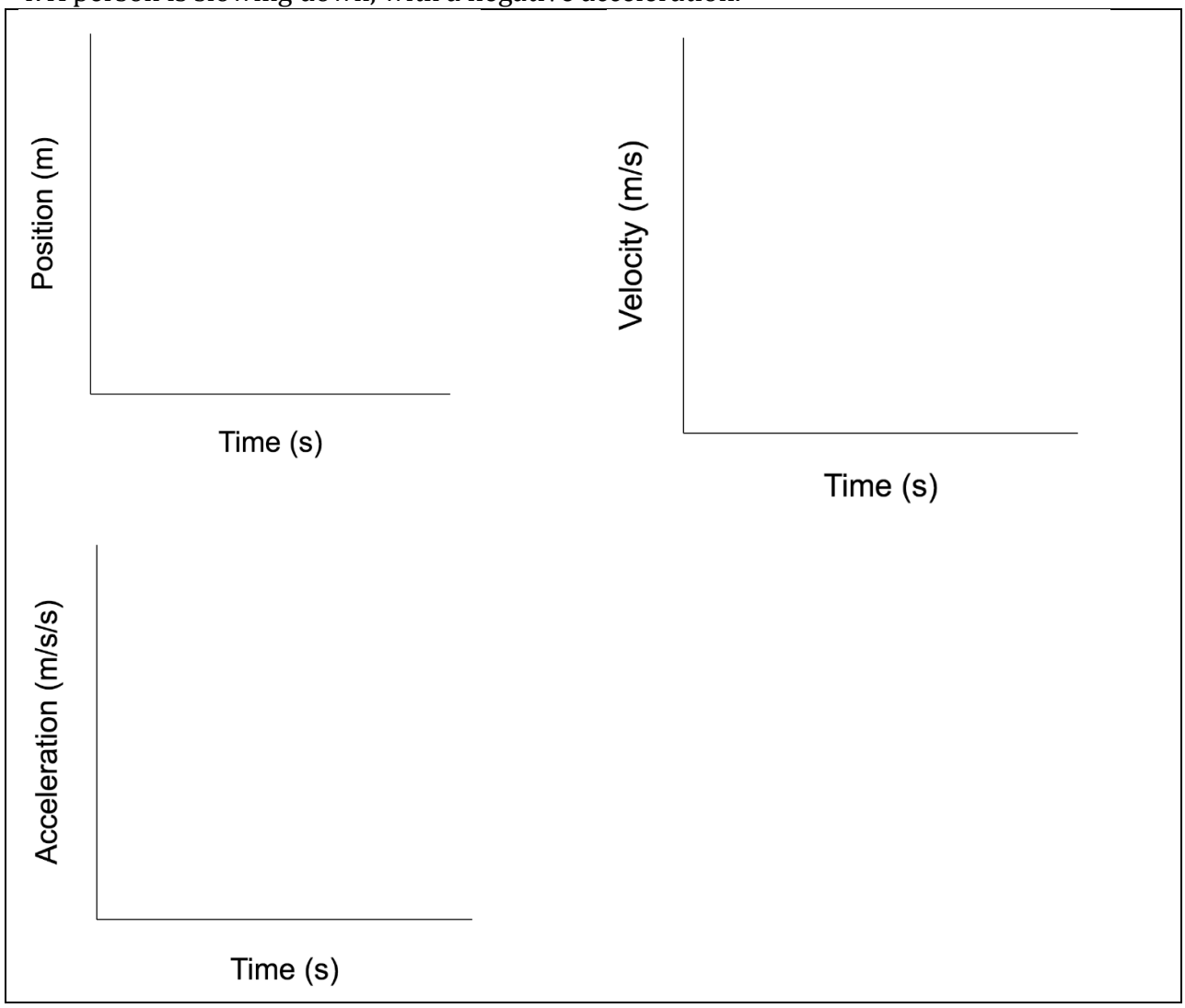
2. A person sitting around, not moving anywhere.



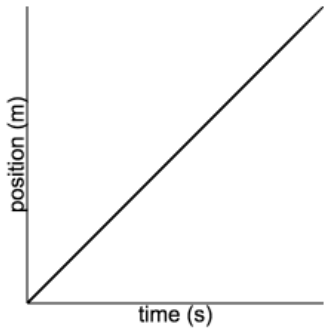
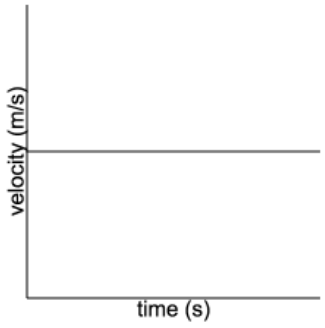
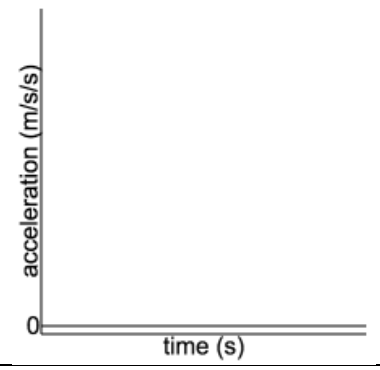
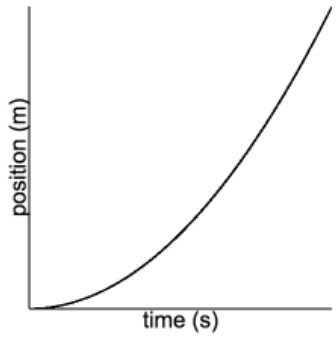
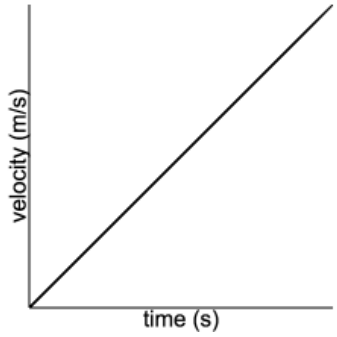
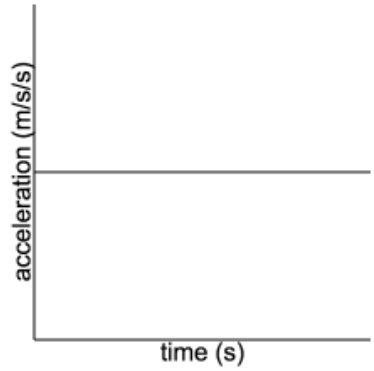
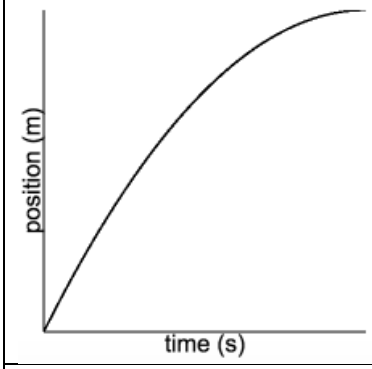
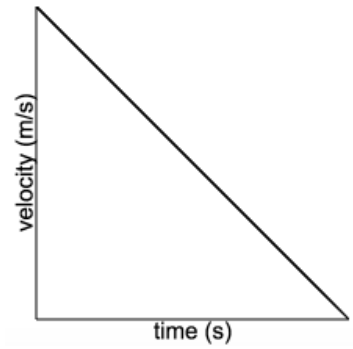
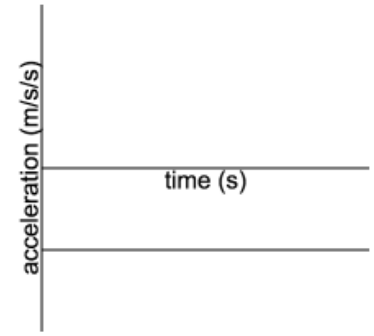
3. A person who is accelerating, with a positive acceleration.



4. A person is slowing down, with a negative acceleration.



Part 5: A reference of all graphs you must memorize:

CONSTANT VELOCITY		
		
POSITIVE ACCELERATION		
		
NEGATIVE ACCELERATION		
		
NOT MOVING