

Part B. Concept Review

Directions: Answer the following questions on the lines provided.

1. Compare and contrast the following.
 - a. distance and displacement: _____
 - b. speed and velocity: _____
2. Explain the difference between positive and negative acceleration.

3. What is a frame of reference?

4. What property of matter is momentum related to?

5. A car travels west for 240 km in 4 h. What is the car's velocity?

6. An object goes from a speed of 9 m/s to a total stop in 3 s. What is the object's acceleration?

7. Explain how the motion of Earth's crust is changing the oceans.

Directions: Use Figures 1a and 1b to answer questions 8 and 9.

Figure 1a

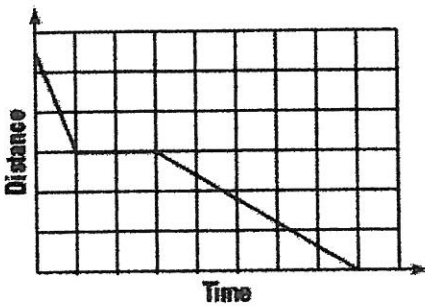
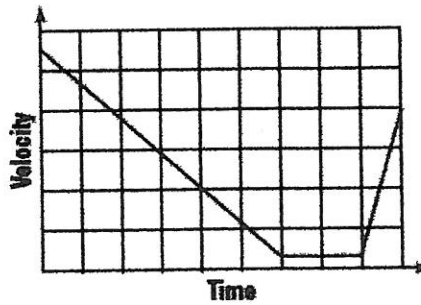


Figure 1b



8. Describe the motion of a car as shown by the distance-time graph in Figure 1a.

9. Describe the motion of a biker as shown by the velocity-time graph in Figure 1b.

