Name _____ Date _____ Class _____

_____ **9.** The *average* velocity of the car during trip portion U is
a. 700 m/min b. 350 m/min c. 200 m/min d. 0 m/min

_____ **10.** The car is at rest at
a. 2 min b. 9 min c. 13 min d. 16 min

_____ **11.** The distance traveled by the car during trip portion W is
a. 2000 m b. 6000 m c. 1000 m d. 800 m

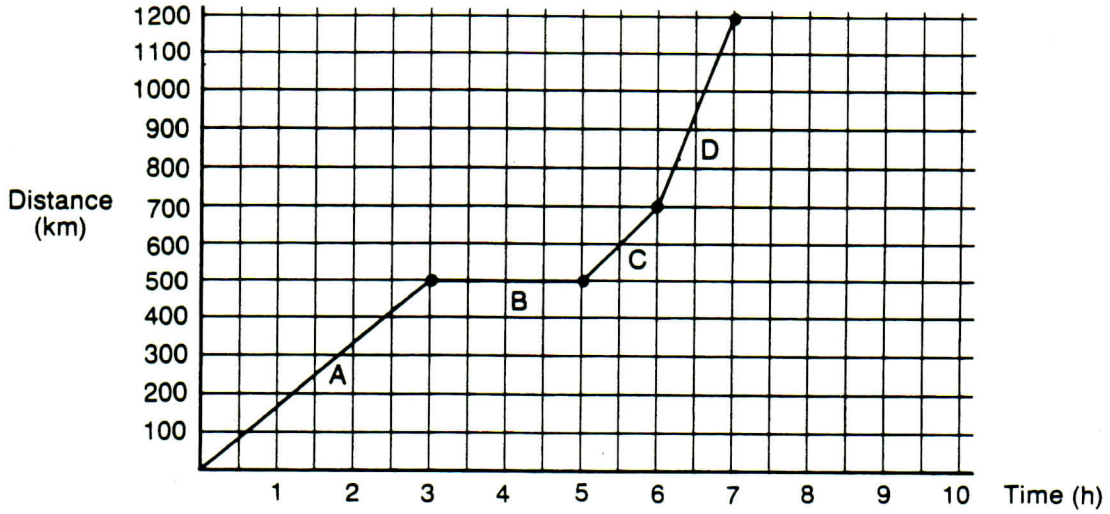
_____ **12.** The distance traveled by the car during trip portion R is
a. 700 m b. 600 m c. 1.2 km d. 6 km

_____ **13.** The acceleration of the car at the start of the trip is
a. 1200 m/min^2 b. 120 km/min^2 c. 500 m/min^2 d. 1000 m/min^2

2

During a 7-hour trip, a plane travels at different velocities. Figure 2 is a graph of these different velocities. Use the graph and the formula that follows to answer questions 14 through 18.

FIGURE 2.



$$velocity = \frac{distance}{time}$$

_____ **14.** The plane is traveling fastest during trip portion
a. A b. B c. C d. D

_____ **15.** The distance traveled during trip portion B is
a. 100 km b. 0 km c. 500 km d. 700 km

_____ **16.** The distance traveled by the plane after 5 hours is
a. 300 km b. 400 km c. 500 km d. 0 km

_____ **17.** The velocity of the plane 5½ hours after take-off is
a. 200 km/h b. 0 km/h c. 700 km/h d. 1200 km/h

_____ **18.** Three and one-half hours after take-off, the plane is most likely
a. at its maximum cruising speed
b. picking up new passengers
c. moving at 500 km/hr
d. flying at a constant velocity