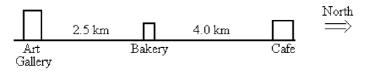
- - A) The displacement is either greater than or equal to the distance traveled.
  - B) The displacement can be either greater than, smaller than, or equal to the distance traveled.
  - C) The displacement is either less than or equal to the distance traveled.
  - D) If the displacement is equal to zero, then the distance traveled will also equal zero.
  - E) The displacement is always equal to the distance traveled.
- 2) You drive 6.00 km at 50.0 km/h and then another 6.00 km at 90.0 km/h. Your average speed over the 12.0 km drive will be
  - A) equal to 70.0 km/h.
  - B) less than 70.0 km/h.
  - C) exactly 38.0 km/h.
  - D) greater than 70.0 km/h.
  - E) cannot be determined from the information given, must also know directions traveled
- 3) Arthur and Betty start walking toward each other when they are 100 m apart. Arthur has a speed of 3.0 m/s and Betty has a speed of 2.0 m/s. Their dog, Spot, starts by Arthur's side at the same time and runs back and forth between them at 5.0 m/s. By the time Arthur and Betty meet, what distance has Spot run?
- 4) Arthur and Betty start walking toward each other when they are 100 m apart. Arthur has a speed of 3.0 m/s and Betty has a speed of 2.0 m/s. How long does it take for them to meet?

3) \_\_\_\_\_

2)

4) \_\_\_\_\_



5) Refer to Figure 2-6. In 1.0 hour, what is you A) 9.0 km/hr B) 10.5 km/hr C) 2.5 km/hr D) 6.5 km/hr E) 1.5 km/hr		Bakery, travel to the	e Art Gallery, and the	en to the Cafe, in	5)
<ul> <li>6) Refer to Figure 2-6. If you start from the Bakery, travel to the Cafe, and then to the Art Gallery, what is the magnitude of your displacement?</li> <li>A) 6.5 km</li> <li>B) 9.0 km</li> <li>C) 10.5 km</li> <li>D) 2.5 km</li> <li>E) 1.5 km</li> </ul>					6)
7) A car is making a 12- at 60 miles per hour. A) 35 mph				d the last 6.0 miles E) 45 mph	7)
8) A runner runs aroun two semicircles with velocity?	a radius of 49 m. Sh	ne completes one lap	) in 100 seconds. Wha	it is her average	8)
A) 5.0 m/s	B) 10 m/s	C) 1.3 m/s	D) 0 m/s	E) 2.5 m/s	