

Uniform Motion Assignment - Answers

1. Miranda's Walk

- a) Her average speed is 2.0 m/s.
- b) Her average velocity is 2.0 m/s East.

2. John's Walk to the Store

- a) His average speed is 3.0 km/h.
- b) His average velocity is 0 km/h.

3. Car's Travel Time

It will take 14 hours to travel 700 km.

4. Alice and Bob's Walk

After 44 s, they are 118.8 m apart.

5. Echo from the Cliff

The cliff is 583.1 m away.

6. Car Drive Across Canada

- a) The total distance travelled is 400 km.
- b) The trip took 6.0 hours in total.
- c) The average speed of the car for this trip was approximately 66.7 km/h.

7. Daniel's Trip

- a) His average speed for this trip is approximately 2.43 km/h.
- b) His average velocity for this trip is approximately 0.71 km/h West.