

REVIEW QUESTIONS

Chapter 2

1. Complete each of the following statements with a suitable word or phrase:
  - a) Motion is change of \_\_\_\_\_ with respect to \_\_\_\_\_
  - b) Acceleration is the rate of change of \_\_\_\_\_
  - c) **Speed** has the same relationship to **velocity** as **distance** has to \_\_\_\_\_
  - d) Acceleration occurs during \_\_\_\_\_ and \_\_\_\_\_  
and \_\_\_\_\_
  - e) An automobile speedometer displays \_\_\_\_\_ speed.
  - f) Temperature is an example of \_\_\_\_\_, while acceleration is an example of a \_\_\_\_\_
  - g) An object with constant velocity has an acceleration of \_\_\_\_\_
2. An ant on a picnic table travels 30 cm east, 15 cm north, 20 cm west, and finally 15 cm south.
  - a) What distance does the ant travel?
  - b) What is the ant's displacement? (Hint: draw a vector diagram)

