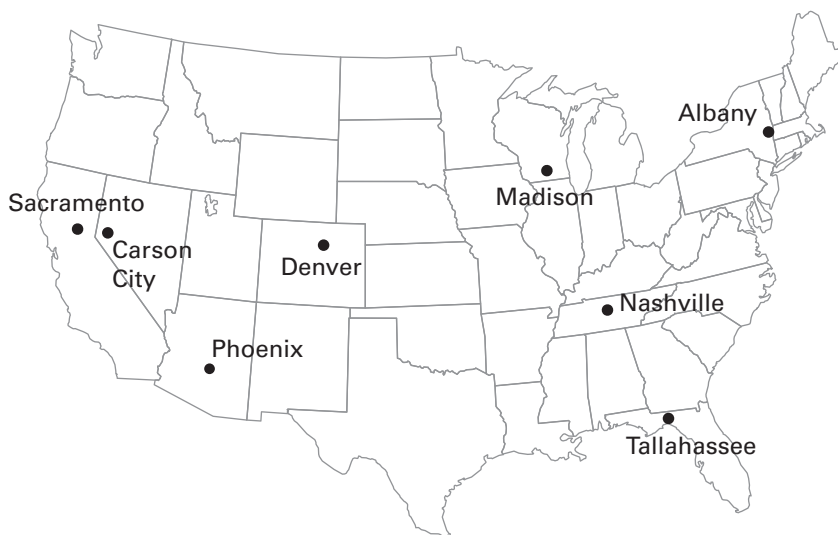


**LESSON  
2.7****Real-Life Application:  
When Will I Ever Use This?***For use with the lesson "Solve Proportions Using Cross Products"***Distance**

This map shows the approximate location of some of the U.S. state capitals. In the map, 1 inch represents 656 miles.

- On this map, the distance between Denver, Colorado and Tallahassee, Florida, is approximately 2 inches. Write a proportion to find the actual distance between these two capitals. Then solve your proportion to find the distance.
- On this map, the distance between Tallahassee, Florida, and Madison, Wisconsin, is approximately  $1\frac{7}{16}$  inches. Write and solve a proportion to find the actual distance between these two capitals.
- On this map, the distance between Denver, Colorado, and Carson City, Nevada, is approximately  $1\frac{1}{8}$  inches. Write and solve a proportion to find the actual distance between these two capitals.
- The distance between Albany, New York, and Nashville, Tennessee, is approximately 852.8 miles.
  - Write and solve a proportion to find the distance on this map.
  - Use a ruler to check your answer.
  - Explain why your answers to parts (a) and (b) may or may not be the same.