

**Discovering GIS and ArcGIS**  
**Chapter 10**

**Name:** \_\_\_\_\_

**Question 10.1:** How many records (segments) are in the NatMapRoads layer?

**Question 10.2:** How many candidates are listed as a potential match for the Greenford address?

**Question 10.3:** On which side of the street will ArcGIS place the geocoded point? Why?

**Question 10.4:** Why did changing the zip code from “44422” to “44460” allow this address to be rematched, when “44422” is the correct, listed address for the library? (*Hint:* The problem is not with the original address or the geocoding process itself. Carefully check the attribute table of the reference data layer to determine the answer to this question.)

**Question 10.5:** Where will you place the geocoded point for Springfield library? Why?

**Question 10.6:** Where are your geocoded results of the Austintown Library located in relation to the location provided by the ArcGIS Online Geocoding Service? You should also be able to see the library on the Imagery basemap. Where are the two locations positioned in relation to the actual library?

**Question 10.7:** For each of the libraries, describe the position of both results (your geocoded points and the results provided by the Geocoding Service) in relation to each other and the library building as you can observe it in the Imagery basemap. Be specific in your answers.

**Question 10.8:** What are the names of the libraries that are within 1 mile of Market Street?

**Question 10.9:** What are the names of the libraries that are within 1 mile of Mahoning Avenue?

**Question 10.10:** What are the names of the libraries that are within 1 mile of State Route 224?

**Step 10.9:**

Print a layout or publish a Web map of the final results.