

First and Last name:

GIS Task Instructions

You will have **2 hours 10 minutes** to complete this assignment. Our recommendation is to devote **60 minutes** to explore the data and create a map and the remaining **1 hour 10 minutes** to answer **all** questions below.

Instructions: Using the online pre-saved multi-layered map in the **ArcGIS** system and considering 5 of the 10 criteria below, determine the appropriate location of a new **winter sports equipment store** in the state of **Vermont**. The building's intended surface is **40,000 square feet**.

Criteria - circle 5 of the following 10:

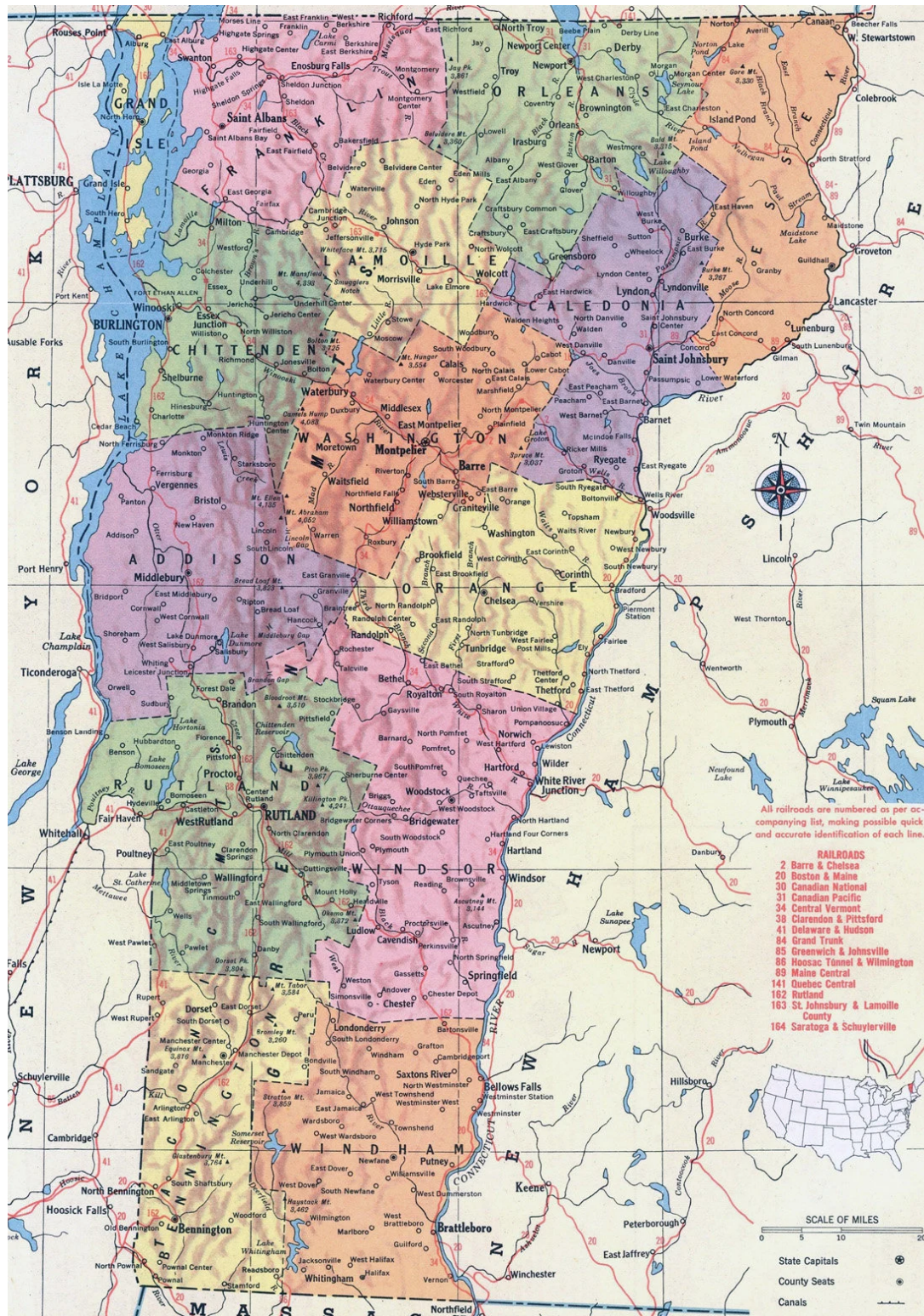
- Population density
- Household Income
- Elevation
- Urban areas
- Unemployment
- Tourist attractions
- Parks
- Roads
- Railroads
- Climate

The multi-layered map in the GIS system includes **all 10 criteria**. Make sure to switch off the ones you will **NOT** be focusing on. This map does not include the existing sporting equipment stores and you should not focus on this criterion in your analysis.

Questions:

1. Describe the chosen location by giving the names of adjacent streets. (5 pts)
2. Explain why the 5 chosen criteria are in your opinion the most relevant. (50 pts)
3. Which one criterion do you consider as decisive in selecting the site. (15 pts)
4. Explain why the 5 discarded criteria are in your opinion the least relevant. (10 pts)

5. Shade the chosen location on the map below. Try to be as specific with the area as possible, given its scale. Remember the intended area surface of the store is **40,000 sq feet**. (5 pts)



6. What are the negative aspects of the location you have chosen? How could they be overcome? (15 pts)

Answer sheet

Please indicate the question number before writing down the answer

