

**Map Coloring Task**

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

**Part 1:** Map Coloring is the art of choosing a color for each bordered region (i.e. a state) such that no two consecutive (touching) regions have the same color. Shown below are two different parts of the United States map. Determine a Map Coloring scheme for each using the *fewest* colors possible.

Picture 1:



Picture 2:



**Part 2:** Explain/justify why a different amount of colors was necessary for each of the two maps in part 1 (picture 1 and picture 2).

**Part 3:** Draw the simplest map (with as few regions/states as possible – make up your own) that clearly illustrates why the higher amount of colors was necessary in the above map.