GEOG 171/2 + ERTH 171/2 LAB 6

Please turn in the following answers in a new word document.

1. (3 points) Give the unit name of the watershed in South Dakota that contains the most cities. How many cities does it contain? What is the total population of those cities.

2. (3 points) In the Rapid City map, how many gas stations are in a "Light Industrial" land use zone? How many in a "Heavy Industrial" zone?" How many in "Low Density Residential"?

3. (2 points) Which land use category contains the most gas stations?

4. (4 points) Which restaurant is furthest away from a gas station? How far is it? Which restaurant is closest to a gas station? How far is it? Include units in your distances.

5. (2 points) Why are the above distances in the units that they are?

6. (4 points) In the South Dakota map, what is the maximum number of people that are closest to a single hospital? (use ONLY the "cities" layer as a proxy for people) Which hospital are they closest to?

7. (4 points) Which county has the most length of major roads? Which has the least (without having none)?