Directions: Show work. Round all answers to the nearest tenth.

1. What is the population density of China? \_\_\_\_\_\_\_\_\_\_\_\_\_ people per square mile

Population: 1,321,851,888

Area: 5,795,162 square miles

2. What is the population density of the U.S.? \_\_\_\_\_\_\_\_\_\_\_\_\_ people per square mile

Population: 301,139,947

Area: 5,692,955 square miles

3. What is the population density of Monaco? \_\_\_\_\_\_\_\_\_\_\_\_\_ people per square mile

Population: 32,671

Area: 1.2 square miles

4. What is the population density of Canada? \_\_\_\_\_\_\_\_\_\_\_\_\_ people per square mile

Population: 33,056,500

Area: 3,854,085 square miles

5. Which of the four countries above has the highest population density? Which has the lowest?

Highest \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lowest -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Which country has the largest land area? Which has the smallest?

Largest - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Smallest - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. What is the population density of Wyoming? \_\_\_\_\_\_\_\_\_\_\_\_\_ people per square mile

Population: 493,782

Area: 97,818 square miles

8. What is the population density of Pennsylvania? \_\_\_\_\_\_\_\_\_\_\_\_\_ people per square mile

Population: 12,281,054

Area: 46,055 square miles

9. Which state has a higher population density? Pennsylvania or Wyoming?

10. What is the population of a town that has the same population density of 7.2 people/square mile, and an area of 250 square miles?

11. What is the area of a county that has the population density 375 people/ square mile, with 25,000 people?

12. Lead has a density of 11.5 $g/cm^{3}$. A cylindrical block of lead has a radius of 4cm and a height of 5 cm. What is the mass?

13 A stick of butter weighs .25 pounds, and the volume is .5 cups. What is the density of butter?

14. A sculpture made of bronze, weighs 250 pounds. The density of bronze is $.323 pounds/in^{3}$. What is the volume?

15. A wooden cube is 2 feet on each side, and weighs 245 pounds. What is the density?