Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_ Number: \_\_\_\_\_\_\_\_\_

Math 8/8H

**HW 2.3c #2**

*Solve the following problems. Anything you don’t finish is homework. Remember to set up the problem, solve correctly, and check your work with a calculator.*

1. The distance from Annabelle’s house to her friend’s house is 2 x 102 km. The distance from Annabelle’s house to her pen pal’s house is 8 x 103 km. How many times the distance to her best friend house is the distance of the pen pal’s house?
2. The surface area of Lake Superior, the largest of the Great Lakes, is 8 x 104 square kilometers. The surface area of the smallest Great Lake, Ontario, is 18,160 square kilometers. About how many times as great is the area covered by Lake Superior than Lake Ontario?
3. The population of city A is 8 x 104 . The population of city B is 4 x 10 6. How many times the population of city A is the population of city B?
4. In 2010, the national debt of the United States was about 14 trillion dollars. In 2003 it was about 7 x 1012 dollars. About how many times larger was the national debt in 2010?
5. 4 X 106 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ times as great as 6 x 103