Hickam Proof 1 (2019)
5 point assignment – Due next Friday

Name _____

The world population is at 7.7 billion (2019), and is expected to be almost 11 billion by the year 2100. That is a lot of people. Can the Earth continue to sustain this number or even larger numbers in the future? Think about food and resources such as oil and natural gas. The more people you have, the more quickly these limited resources run out. Also, think about what are some of the factors that have made us grow so quickly. These are all questions that we as a human race must consider.

Now to the math problem you must answer. Let's assume that we wanted to give each person his/her own house which we will make as a 40 foot by 40 foot house. This was the average size of a home in the 1970's, but that was for a family of four and we are giving each individual this size home. Now consider the state of Texas, which is approximately 268,500 square miles (differs a little depending on who you believe). Would there be enough room in Texas to build every one of the 7 billion people a 40 x 40 foot house assuming we build the homes right beside each other without any space between the homes?

Explain your answer and reasoning or you will not receive ANY credit! Write in complete sentences or you will lose credit, too.