First, Last Name
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Tiny Houses: Modeling Proportional Relationships

Part A: Perimeter and Side Length of a Square

- 1. Record the area, a, of tiny houses from smallest to largest.
- 2. Visit the Lowes' website and choose a tile.
- 3. Write the cost per tile: _____
- 4. Create a scale for the coordinate plane.
- 5. Label the coordinate plane showing cost and area. (a, c)
- 6. Plot the data and draw a neat line connecting the points.

a	С	(<i>a</i> , <i>c</i>)

4. Is the cost of tiling the tiny houses proportional to area? Explain.

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This document is supplemental material to Housing Affordability for Teachers in North Carolina, a lesson plan created by Yusupha Auber of East Cary Magnet Middle School as part of the 2022-2023 UNC World View Global Fellows Program. For more information about the program, please visit http://worldview.unc.edu/.