

0. Print your name: _____

1. Suppose fifteen students have scores ranging from 0 to 66 and fifteen have scores ranging from 67 to 100. Draw a bar graph for this data using a horizontal scale of 0 to 100 for scores and the vertical axis corresponding to the number of students. Your graph should have two bars.

2. In the bar graph that you have drawn, are the two bars of substantially different area? Do they, however, represent the same number of students? Is this visually misleading?

3. A density function avoids the aforementioned visual problem. With the graph of such a function, what visually recognizable geometric quantity represents population size (or fraction of population size)?