The Apartment

1-40. The building’s owners have given your team precise specifications. The measurements are provided in the diagram below. Also:

- The area of the living room must be 180 square feet.
- The area of the entire apartment must be 450 square feet.

Your Task: Find the possible dimensions for every room in the apartment. Be prepared to justify your answer (show how you know it works), and show all of your work in a way that someone from outside of your team can read and understand it.