

Kiara’s original garden is 12 ft long and 9 ft wide. She wants to decrease its length by some **unknown** number of feet.



1. **Draw** Kiara’s new garden so that you can:
 - Find its area
 - Label the lengths, areas, and widths

Emily and Mauricio found the area of Kiara’s new garden using two methods.

1. **Write a sentence** that describes how each method finds the area of Kiara’s new garden given an unknown decrease in length.

A. **Method 1:** _____

B. **Method 2:** _____



2. For each method:
- Write an **algebra** equation that expresses a general method of finding the area of Kiara's new garden.
 - **Define** your variables in terms of the garden.

A. **Method 1:**

B. **Method 2:**

