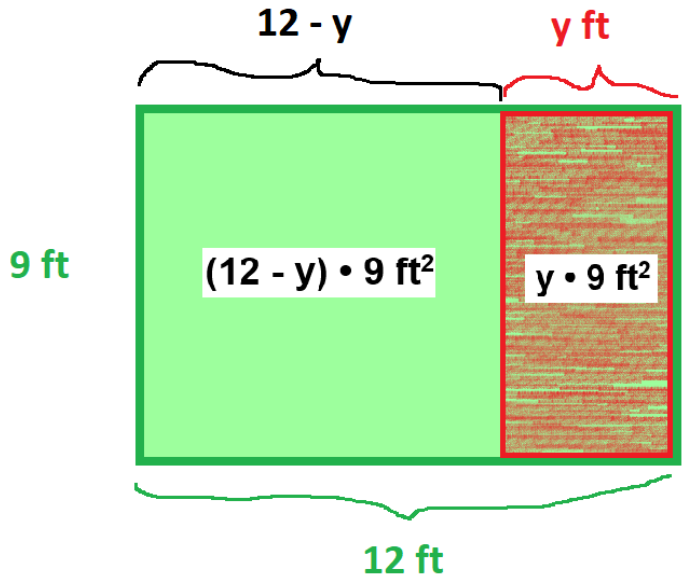
Luis created this drawing to show the area of Kiara's new garden, when she decreases the length of her original garden by some unknown number of feet, *y*.

Luis also wrote the following equation to represent the area of Kiara's new garden:

$$(12 - y) \cdot 9 = 12 \cdot 9 - y \cdot 9$$



1. **Underline each part** of Luis's equation that represents a **length.** For each part, specify which length it is.

$$(12 - y) \cdot 9 = 12 \cdot 9 - y \cdot 9$$

_____ is the length of _____

_____ is the length of _____

_____ is the length of _____

2. **Underline each part** of Luis's equation that represents a **width.** For each part, specify which width it is.

$$(12 - y) \cdot 9 = 12 \cdot 9 - y \cdot 9$$

_____ is the width of _____

_____ is the width of _____

_____ is the width of _____

3. **Underline each part** of Luis's equation that represents an area**.** For each part, specify which area it is.

$$(12 - y) \cdot 9 = 12 \cdot 9 - y \cdot 9$$

_____ is the area of _____

_____ is the area of _____

_____ is the area of _____

4. **Write a sentence** that explains why **(12 - *y*) • 9** is equal to **12 • 9 - *y* • 9** using the meaning of parts of the equation as lengths, widths, and areas of Kiara's garden.

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