

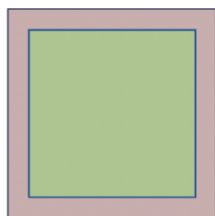
# NMSU MATH PROBLEM OF THE WEEK

Solution to Problem 1

Fall 2025

## Problem 1

A square walkway surrounding a square garden with side length of 6 feet is 1 foot wide. What is the area of the walkway?



**Solution.** The garden and the walkway included form a square with side length 8 feet, whose area is  $8 \times 8 = 64$  square feet. The area of the garden is  $6 \times 6 = 36$  square feet. Thus,

$$\text{area of the walkway} = 64 - 36 = 28 \text{ square feet.}$$