



5. The length of a rectangular garden exceeds the width by 8 ft. If the length is increased by 4 ft. and the width is decreased by 2 ft., the area of the original garden is 8 sq. ft. more than the area of the new garden. Find the dimensions of the original garden.

6. If one side of a square is increased by 6 in., and an adjacent side is decreased by 4 in., the areas of both shapes are the same. Find the dimensions of both shapes.