

4) A gardener is creating a rectangular garden that has an area of 400 square feet. The length of the garden must be 30 feet longer than its width. Determine algebraically the dimensions of the garden, in feet.

5) A rectangular parking lot has sides in a ratio of 3:8 and an area of 3456 square meters. Find the dimensions of the parking lot.

6) The length of the fencing for a rectangle field is 5 times its width. If the area of the field is 8000 square feet find the dimensions of the field. If the cost of fencing is \$6.25 per foot find the cost to fence this field.