

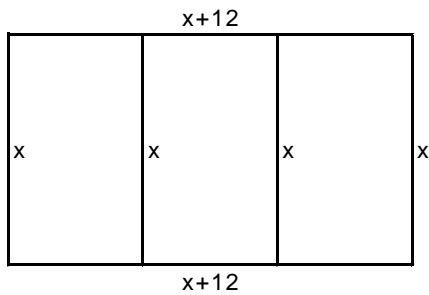
Name _____

Math 94 In-class Exercise 14 [Section 3.3]

You need to show your variables and equation for full credit on problems like these on a test.

1. The length of a rectangular swimming pool is 10 meters more than twice its width. If its perimeter is 140 meters, find its dimensions.

2. A certain garden is 12 feet longer than it is wide. A gardener builds two paths running East-West and four paths running North-South, as shown, where x is the length of the North-South paths. If the total length of the paths is 144 feet, what are the dimensions of the garden?



(We are ignoring the width of the paths.)