

Name _____

Math 94 In-class Exercise 34 [Section 6.7]

1. The length of a rectangular rug is 2 feet less than twice its width. Its area is 40 square feet. Find the dimensions of the rug.

2. The cost, C , for manufacturing x coffee makers is given by the formula $C = x^2 + 12x - 60$. Determine the number of coffee makers manufactured at a cost of \$100.