

UTSA
Department of Mathematics
MAT 1214 Calculus I, Section 13
Spring, 2007
Quiz 6. Ten minutes
April 26, 2007

Name: _____

- ① Find the dimensions of a rectangle with area 100 m^2 whose perimeter is as small as possible.

- ② A poster is to have an area of 180 in^2 with 1-in margins at the bottom and the sides, and a 2-inch margin at the top. What are the dimensions of the largest printed area?