

Name: _____

Date: _____

Pre Calculus 11 Ch3/4 Lesson 8b: Solving Max and Minimum Problems:

1. Two numbers have a difference of 10. Their product is a minimum. Determine the numbers

2. The sum of two natural numbers is 12. Their product is a maximum. Determine the numbers

3. A rectangular area is enclosed by a fence and separated into 2 rectangular regions as shown. With 800m of fencing, what is the maximum area that could be enclosed. Find the dimensions of the enclosed area.



4. Suppose the rectangular fence is to be separated into 3 rectangular regions as shown. Again, with 800m of fencing, find the maximum area that could be enclosed. Find the dimensions of the enclosed area.



