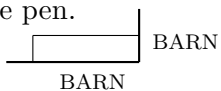


Homework 7

(due March 6)

Math 130 *Kovitz* 2020

1. Find the largest area that a farmer can enclose by constructing a rectangular pen from 40 feet of fencing, if he uses a corner of his barn for two walls of the pen.



2. Find two numbers whose product is a maximum, under the condition that the sum of half the first number and ten times the second number is 100.

What is the maximum product that these two numbers produce?