

Last name: _____

First name: _____

Section: _____

Question:	1	Total
Points:	20	20
Score:		

Instructions: You must answer all the questions below and give your solutions to the TA at the end of the recitation. Write your solutions directly on the worksheet. Late worksheet will not be accepted.

QUESTION 1 (20 pts)

A rectangular storage container with an open top is to have a volume of 10m^3 . The length of its base is twice the width. Material for the base costs \$10 per square meter. Material for the sides costs \$6 per square meter. Find the cost of the materials for the cheapest such container.

