

Math 2554 Pop Quiz Make-up
Mon 17 Nov 2014

Name: _____

You have 15 minutes to answer the question. Graphing calculators are allowed.

Find the dimensions of a closed box with a square base that has the following characteristics:

1. The maximum volume, given that the surface area is 16 square meters.
2. The maximum surface area, given that the volume is 15 cubic meters.