

Classwork 6

College Algebra and Trigonometry, MTH 123, Section 3260, Fall 2011

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Name: _____

1. A rancher wants to build a rectangular pen with perimeter of 100 m . Find the dimensions that will maximize the area.

2. A box with an open top and square base is to have volume 12 ft^3 . Find the function that models the surface area of the box in terms of one of its sides.