Mathematics 1100Y – Calculus I: Calculus of one variable
Trent University, Summer 2010

Assignment #9
The geometric goat
Due on Wednesday, 14 July, 2010.

1. A goat is tethered by a rope to a point on the edge of a circular field with diameter 100 meters. What length should the rope be so that the goat can graze in exactly half the field? *[10]*

100 m

? m