KING FAHD UNIVERSITY OF PETROLEUM & MINERALS DEPARTMENT OF MATHEMATICS & STATISTICS Term 181 MATH 101 Quiz 4

Name: _____

ID #: ____

1. When a snowball melts its surface area decreases at a rate of $1 \ cm^2/min$. Find the rate at which the diameter decreases when the diameter is *10 cm*. The surface area of a sphere is $4\pi r^2$, where r is the radius of the sphere.