

QUIZ 3

Time: 15min

1. Compute the area of a circle of radius r .
2. Compute the volume of an ellipsoid with semiaxis a, b, c .

Hints for problem 2:

- (i) reduce the integral, by means of a substitution, to one which corresponds to the volume of a sphere;
- (ii) compute the volume of the sphere.

The first problem is worth 4 points, and the second is worth 6 points.