

## Math 324 B, Fall 2018, Quiz 1

You have 5 minutes to complete the quiz. Each problem is worth 5 points.

Name: \_\_\_\_\_

1. Evaluate the integral

$$\iint_D e^{-x^2-y^2} dA,$$

where  $D$  is the region bounded by the semi-circle  $x = \sqrt{4-y^2}$  and the  $y$ -axis.