1. Find the volume of the solid bounded by the cylinder \( x^2 + y^2 = 9 \) and the planes \( z = 0 \) and \( z = 3 - x \) by using double integration.

2. Use polar coordinates to evaluate \( \iint_{R} e^{-(x^2 + y^2)} dA \), where \( R \) is the region enclosed by the circle \( x^2 + y^2 = 4 \).