

5. (15 pts) Sean las superficies $S_1 : z = x^2 + y^2, x^2 + y^2 \leq 1$, $S_2 : z = x^2 - y^2, x^2 + y^2 \leq 1$. Calcular $\text{Area}(S_1) - \text{Area}(S_2)$.