

**Ejercicio 1:** Evaluar las siguientes integrales:

(a)  $\int \frac{1}{\sqrt{2x-x^2}} dx$

$$\begin{aligned}\int \frac{1}{\sqrt{2x-x^2}} dx &= \int \frac{1}{\sqrt{2x-x^2-1+1}} dx \\ &= \int \frac{1}{\sqrt{1-(x+1)^2}} dx\end{aligned}$$