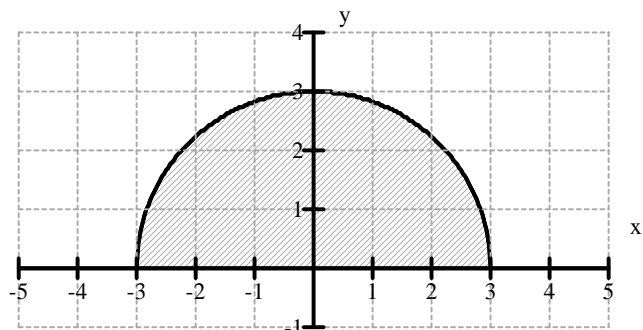


1) To evaluate $\int_{-3}^3 \sqrt{9-x^2} dx$, you can look at the area below.

The area of a semicircle is $\frac{\pi r^2}{2}$. Here, this is $\frac{\pi(3)^2}{2} = \frac{9\pi}{2}$



2) To evaluate $\int_0^3 \sqrt{9-x^2} dx$, you can look at the area below.

The area of a quarter circle is $\frac{\pi r^2}{4}$. Here, this is $\frac{\pi(3)^2}{4} = \frac{9\pi}{4}$

