

6. (15 pts) Usando series de potencias.

a) Calcular el valor de $\sum_{n \geq 0} (-1)^n [2n + 1 + \pi] \frac{\pi^{2n}}{(2n + 1)!}$. Use la series de $\sin x + \cos x$

b) Calcular $\int \frac{e^x - 1 - x}{x^2} dx$.