

$$1 - \sum_{n=1}^{\infty} \frac{5n+1}{(7n+3)^2}$$

$$2 - \sum_{n=1}^{\infty} \frac{2^{n-1} x^n}{(4n-3)^2}$$

$$3 - F(x) \begin{cases} 0, & x \leq 0 \\ 2 \sin, & 0 < x \leq \frac{\sqrt{\pi}}{6} \\ 1, & x > \frac{\sqrt{\pi}}{6} \end{cases}$$