$$\frac{\pi}{4x}^{\pi x/2}\mathfrak{t} = \sum_{k}^{\mathbb{N}} \frac{1}{(2k+1)^2 - x^2}$$

$$\frac{\pi}{4x}\tanh(\pi x/2) = \sum_{k}^{\mathbb{N}} \frac{1}{(2k+1)^2 + x^2}$$

$$\pi\cot\pi v = \sum_{n}^{\mathbb{Z}} \frac{1}{v+n}$$

$$\frac{\pi}{\pi v_\mathfrak{s}} = \sum_{n}^{\mathbb{Z}} \frac{-1^n}{v+n}$$

$$\int_{dx}^{0|1} \frac{x^{p-1} + x^{q-p-1}}{1+x^q} = \sum_{n}^{\mathbb{Z}} \frac{-1^n}{p+nq} = \frac{\pi}{q^{\pi p/q}\mathfrak{s}}$$

$$\int_{dx}^{0|1} \frac{x^{p-1} - x^{q-p-1}}{1-x^q} = \sum_{n}^{\mathbb{Z}} \frac{1}{p+nq} = \frac{\pi}{q}\cot\pi p/q$$

$$\Psi'(z) = \sum_{n}^{\mathbb{N}} \frac{1}{(z+n)^2}$$

$$\frac{\Gamma_x\Gamma_{1/2}}{\Gamma_{x+\ 1/2}} = \sum_{k}^{\mathbb{N}} \frac{(2k)!}{4^k(k!)^2}\frac{1}{x+k}$$