	0	**π/6**	**π/4**	**π/3**	**π/2**
sin	0	$\frac{\sqrt{1}}{2}=\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{4}}{2}=1$
cos	$\frac{\sqrt{4}}{2}=1$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{1}}{2}=\frac{1}{2}$	0
tg	0	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$	-
cotg	-	$\sqrt{3}$	1	$\frac{\sqrt{3}}{3}$	0

$$\cosh z=\frac{e^z+e^{-z}}{2} \quad \sinh z=\frac{e^z-e^{-z}}{2} \quad \cos z=\frac{e^{iz}+e^{-iz}}{2} \quad \sin z=\frac{e^{iz}-e^{-iz}}{2i}$$

$$|z|^n=(\cos(n\varphi)+i\cdot\sin(n\varphi)) \qquad z_k=\sqrt[n]{|z|}\cdot(\cos(\frac{\varphi+2k\pi}{n})+i\cdot\sin(\frac{\varphi+2k\pi}{n}))$$

$$e^{i\varphi}=(\cos\varphi+i\cdot\sin\varphi) \qquad e^{\alpha+i\cdot\beta}=e^{\alpha}(\cos\beta+i\cdot\sin\beta)$$

$$(X)^Y=e^{Y\cdot\ln(X)} \qquad \ln(z)=\ln|z|+i\cdot arg(z)$$

$$\lim_{n\to\infty}\sqrt[n]{n}=1 \qquad \lim_{n\to\infty}\left(1+\frac{1}{n}\right)^n=e \qquad \lim_{n\to 0}\frac{\sin(n)}{n}=1$$

$$\lim_{n\to\infty}\frac{a_{n+1}}{a_n}=r \qquad \lim_{n\to\infty}\sqrt[n]{a_n}=r$$

0 ≤ r < 1 – rad konverguje
r > 1 – rad diverguje
r = 1 – nič to nehovorí o rade

$\sum_{n=1}^{\infty}\frac{1}{n^k}$ 0 < k ≤ 1 – diverguje; k>1 – konverguje

$$e^{lnx}=x \quad \sin(i)=i\cdot\sinh(1) \quad \cos(i)=\cosh(1)$$

$$\sin(x\pm y)=\sin(x)\cos(y)\pm\cos(x)\sin(y) \quad \cos(x\pm y)=\cos(x)\cos(y)\mp\sin(x)\sin(y)$$

$$f'(a)=\frac{\partial u}{\partial x}(a)+i\cdot\frac{\partial v}{\partial x}(a)=\frac{\partial v}{\partial y}(a)+i\cdot\frac{\partial u}{\partial y}(a)$$

$$e^z=\sum_{n=0}^{\infty}\frac{z^n}{n!} \quad |z|<\infty$$

$$\sin(z)=\sum_{n=0}^{\infty}(-1)^n\frac{z^{2n+1}}{(2n+1)!} \quad |z|<\infty$$

$$\frac{\partial u}{\partial x}=\frac{\partial v}{\partial y} \qquad \frac{\partial u}{\partial y}=-\frac{\partial v}{\partial x}$$

$$\cos(z)=\sum_{n=0}^{\infty}(-1)^n\frac{z^{2n}}{(2n)!} \quad |z|<\infty$$

$$\frac{1}{1-z}=\sum_{n=0}^{\infty}z^n \quad |z|<1$$

$$\frac{1}{1-z}^2=\sum_{n=0}^{\infty}n\cdot z^{n-1} \quad |z|<1$$