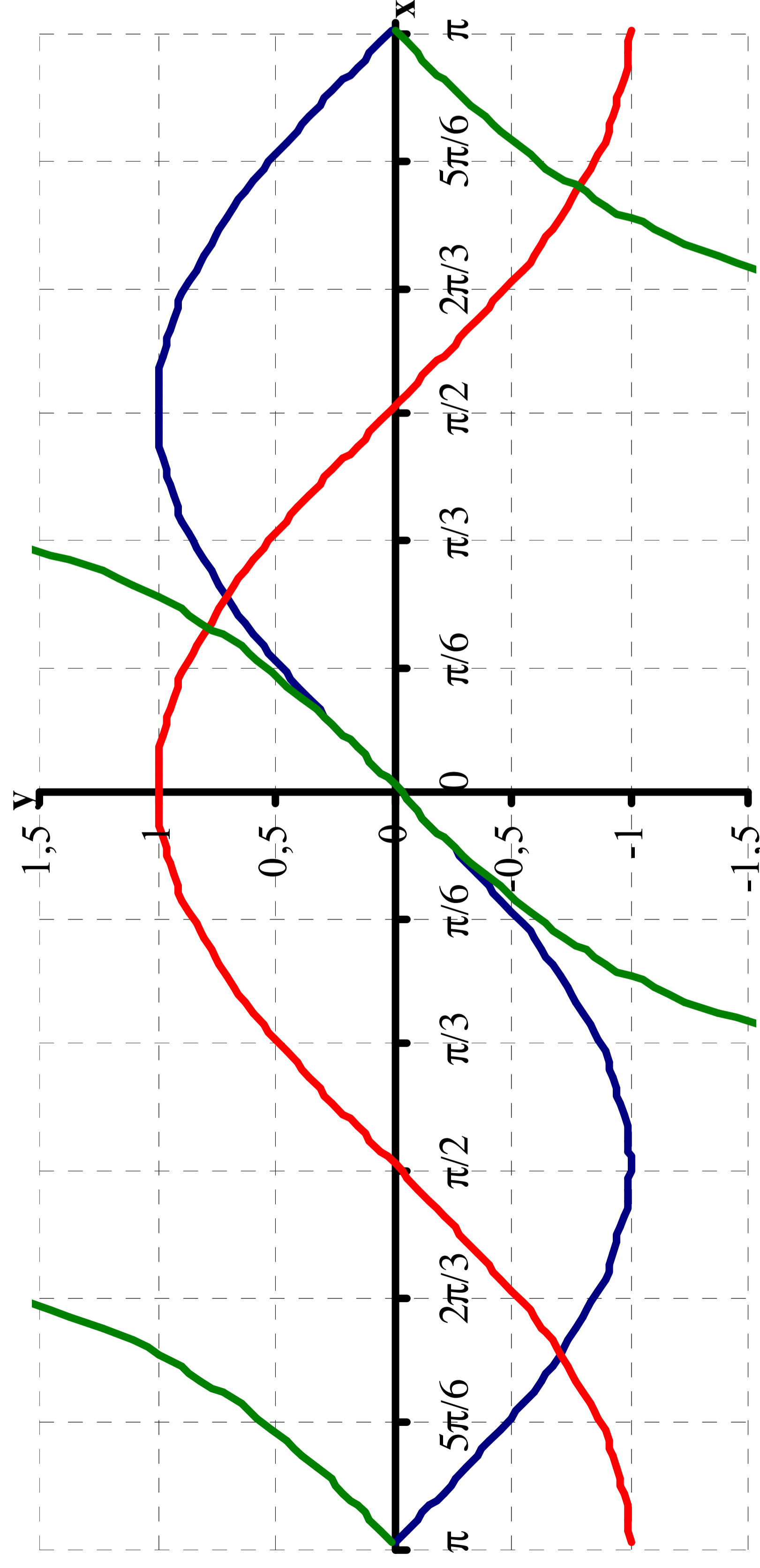


Wertetabelle

Winkel x in Grad	0	30	45	60	90	120	135	150	180	210	225	240	270	300	315	330	360
Winkel x in Bogenmaß	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	$\frac{2\pi}{3}$	$\frac{3\pi}{4}$	$\frac{5\pi}{6}$	π	$\frac{7\pi}{6}$	$\frac{5\pi}{4}$	$\frac{4\pi}{3}$	$\frac{3\pi}{2}$	$\frac{5\pi}{3}$	$\frac{7\pi}{4}$	$\frac{11\pi}{6}$	2π
sin(x)	0	$\frac{1}{2}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{\sqrt{3}}$	1	$\frac{1}{\sqrt{3}}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{2}$	0	$-\frac{1}{2}$	$-\frac{1}{\sqrt{2}}$	$-\frac{1}{\sqrt{3}}$	-1	$-\frac{1}{\sqrt{3}}$	$-\frac{1}{\sqrt{2}}$	$-\frac{1}{2}$	0
cos(x)	1	$\frac{1}{\sqrt{3}}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{2}$	0	$-\frac{1}{2}$	$-\frac{1}{\sqrt{2}}$	$-\frac{1}{\sqrt{3}}$	-1	$-\frac{1}{\sqrt{3}}$	$-\frac{1}{\sqrt{2}}$	$-\frac{1}{2}$	0	$\frac{1}{2}$	$\frac{1}{\sqrt{2}}$	$\frac{1}{\sqrt{3}}$	1
tan(x)	0	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$	-	$-\sqrt{3}$	-1	$-\frac{1}{\sqrt{3}}$	0	$\frac{1}{\sqrt{3}}$	1	$\sqrt{3}$	-	$-\sqrt{3}$	-1	$-\frac{1}{\sqrt{3}}$	0

Eigenschaften der Schaubilder



f(x) =	Definitionsbereich D =	Wertebereich W =	Periode p =	Symmetrie
sin(x)	\mathbb{R}	$[-1; 1]$	2π	ungerade: $\sin(-x) = -\sin(x)$
cos(x)	\mathbb{R}	$[-1; 1]$	2π	gerade: $\cos(-x) = \cos(x)$
tan(x)	$\mathbb{R} \setminus \{ \frac{\pi}{2} + z\pi; z \in \mathbb{Z} \}$	\square	π	ungerade: $\tan(-x) = -\tan(x)$