

BBI WIEN

Trigonometrie

10.Schulstufe

Schwarzdruckkopiervorschläge mit großer
Schrift und starken Linien

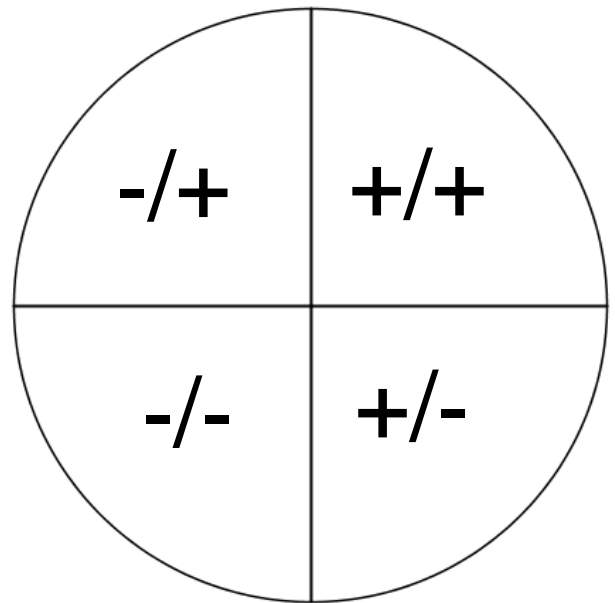
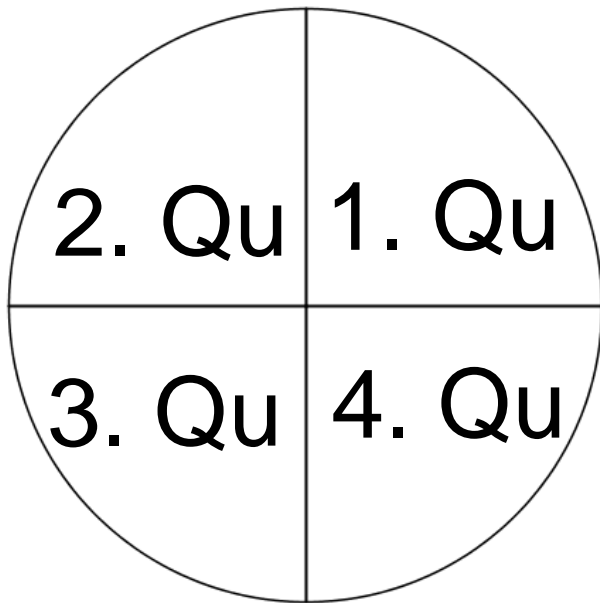
Elisabeth Stanetty
25.01.2019

Inhalt: Einheitskreis, Sinus, Cosinus, Tangens

Inhalt

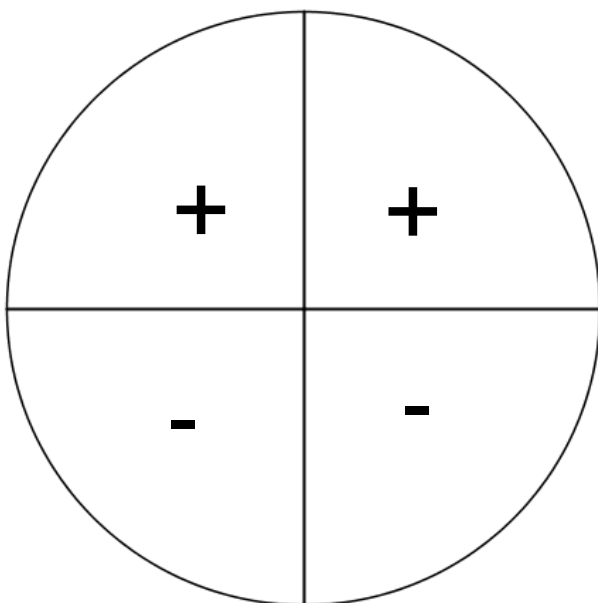
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Einheitskreis: $r = 1$

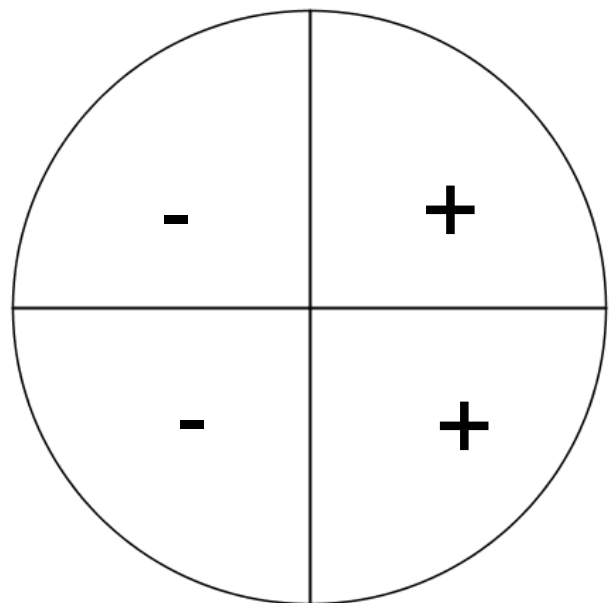


Vorzeichen

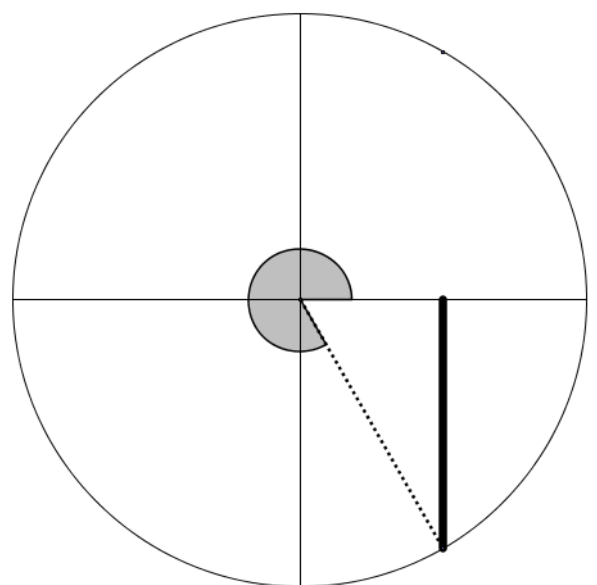
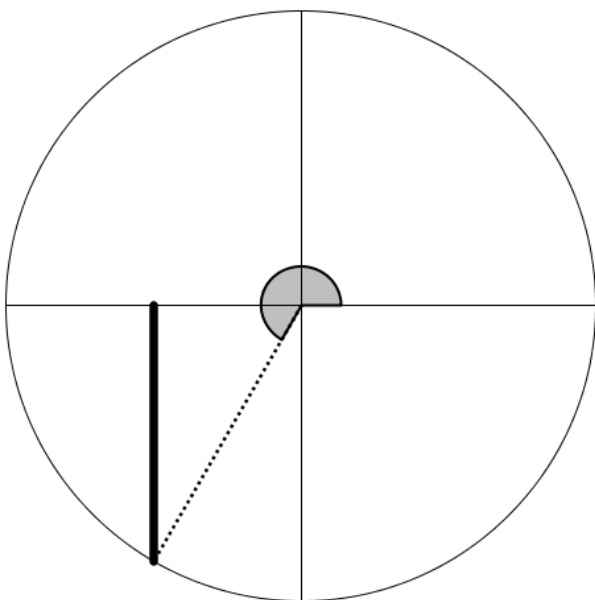
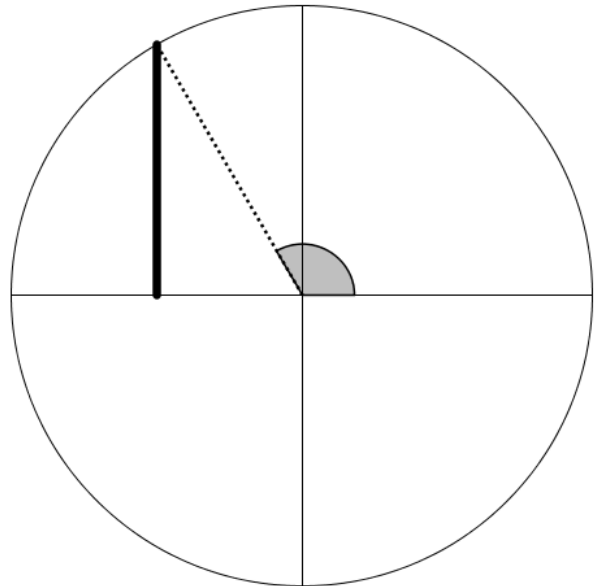
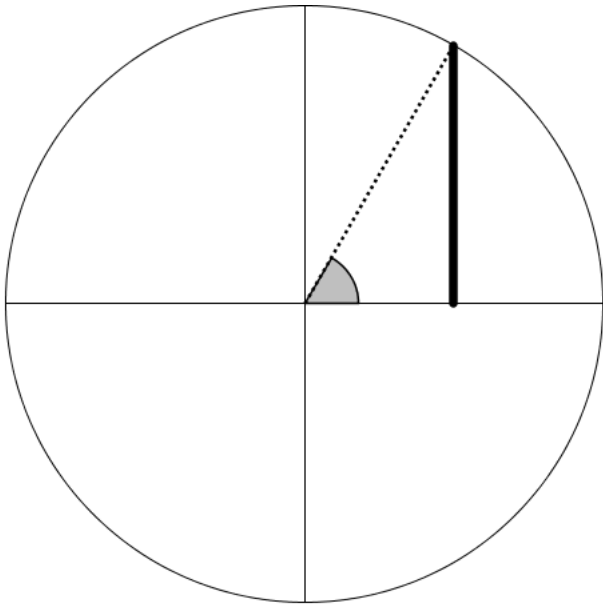
sin



cos

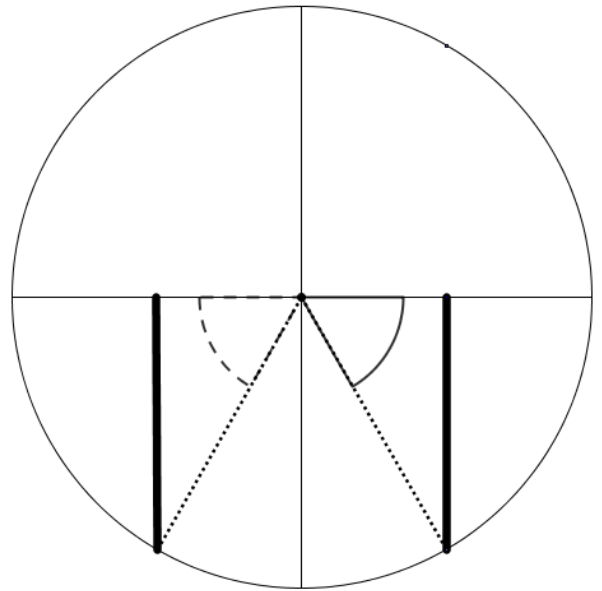
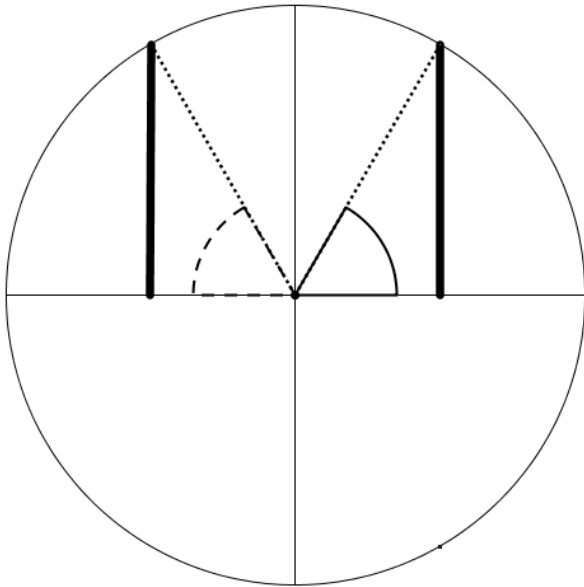


Sinus im Einheitskreis

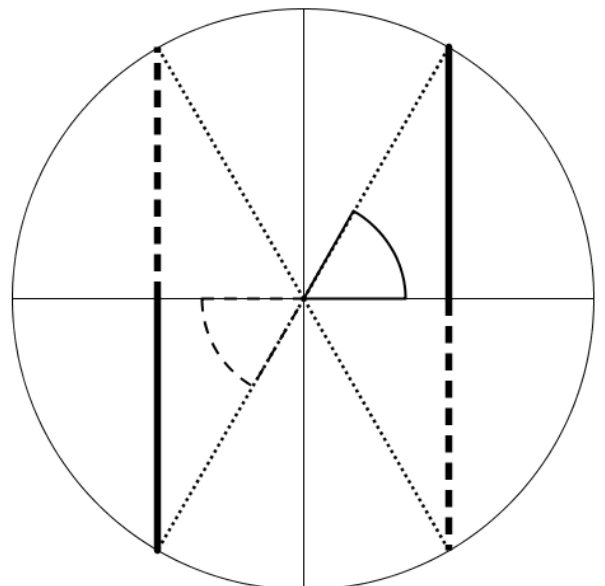
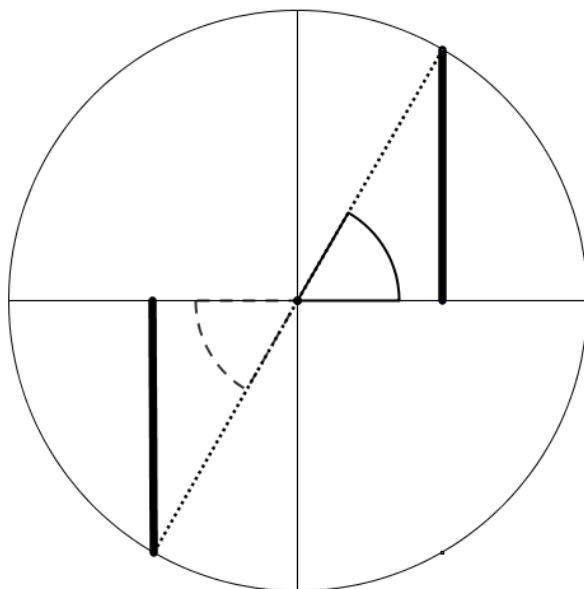


Gleiche Sinuswerte

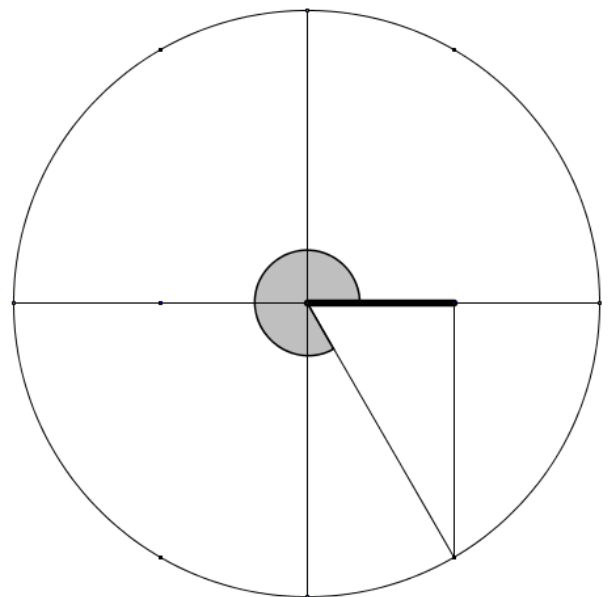
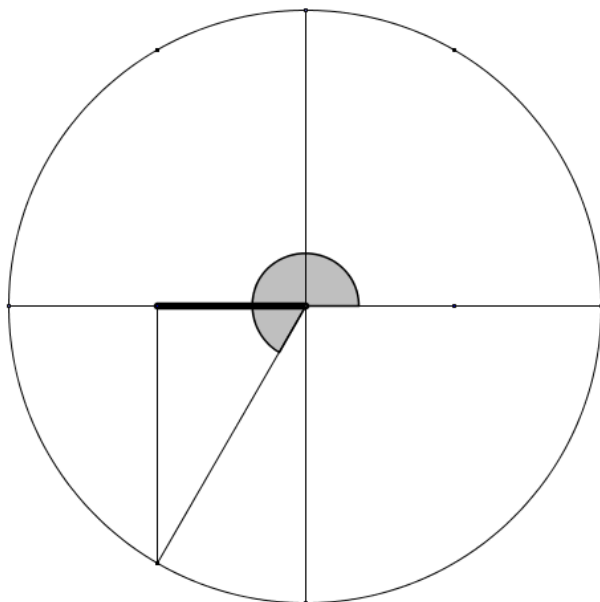
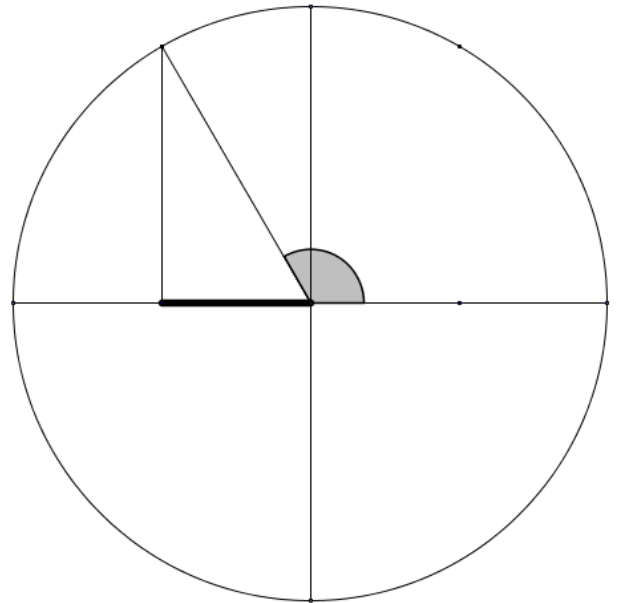
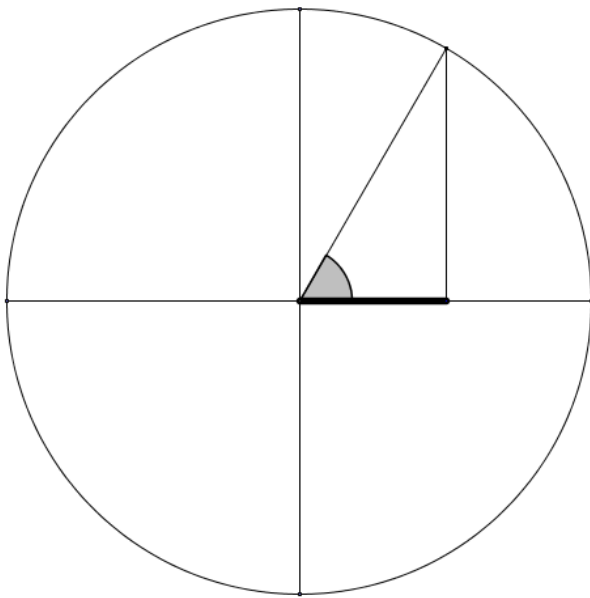
$$\sin(x) = \sin(180^\circ - x)$$



$$\sin(x) = -\sin(180^\circ + x)$$

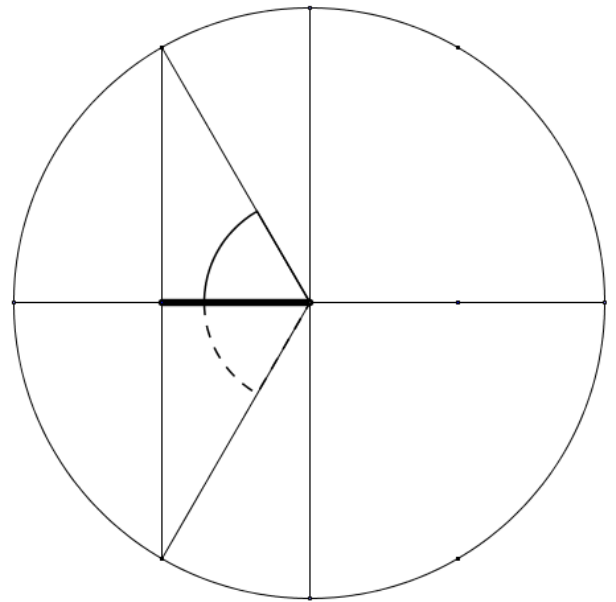
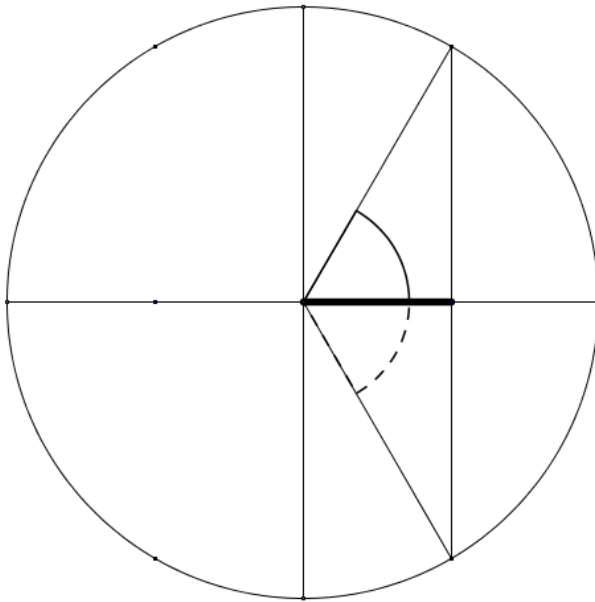


Cosinus im Einheitskreis

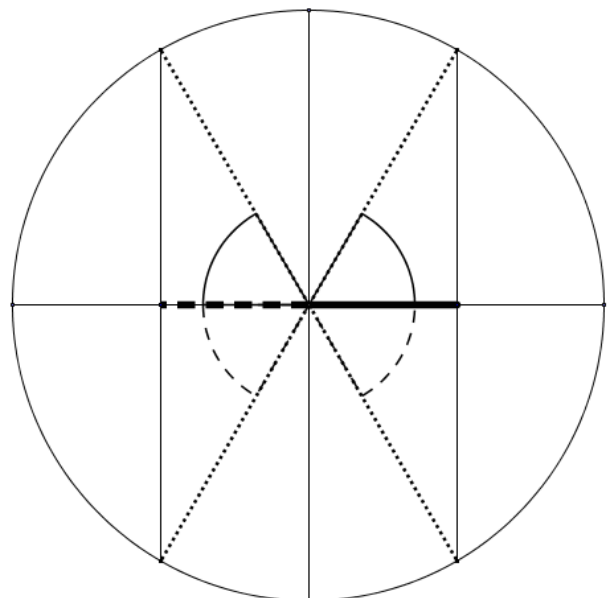
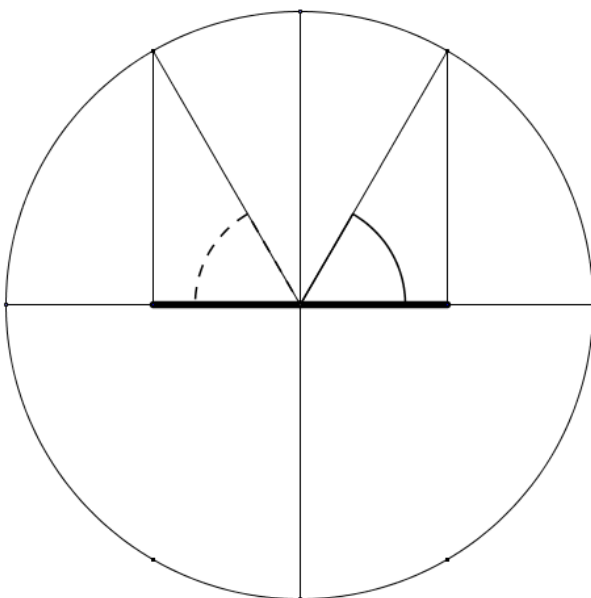


Gleiche Cosinuswerte

$$\cos(x) = \cos(180^\circ - x)$$

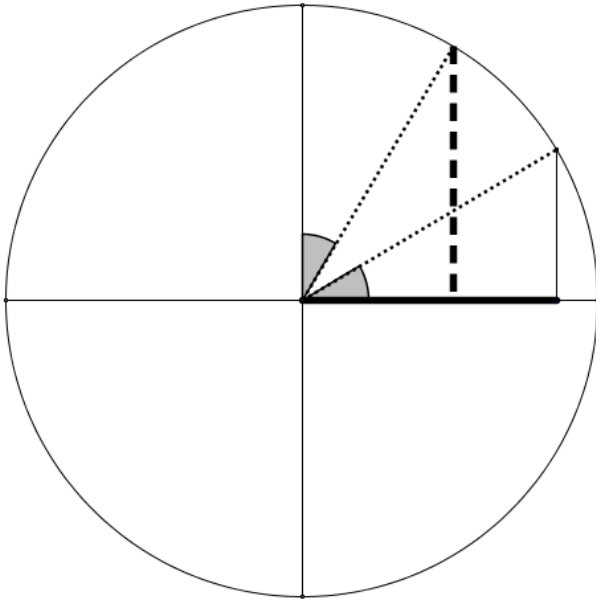


$$\cos(x) = -\cos(180^\circ - x)$$

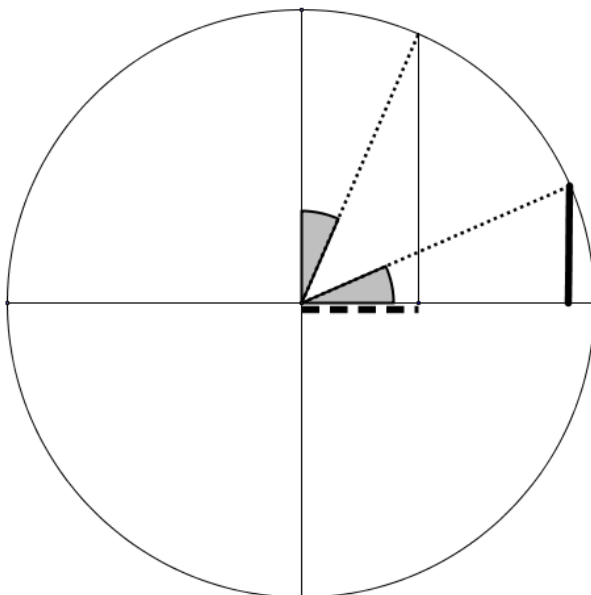


Sinus/Cosinus

$$\cos(x) = \sin(90^\circ - x)$$

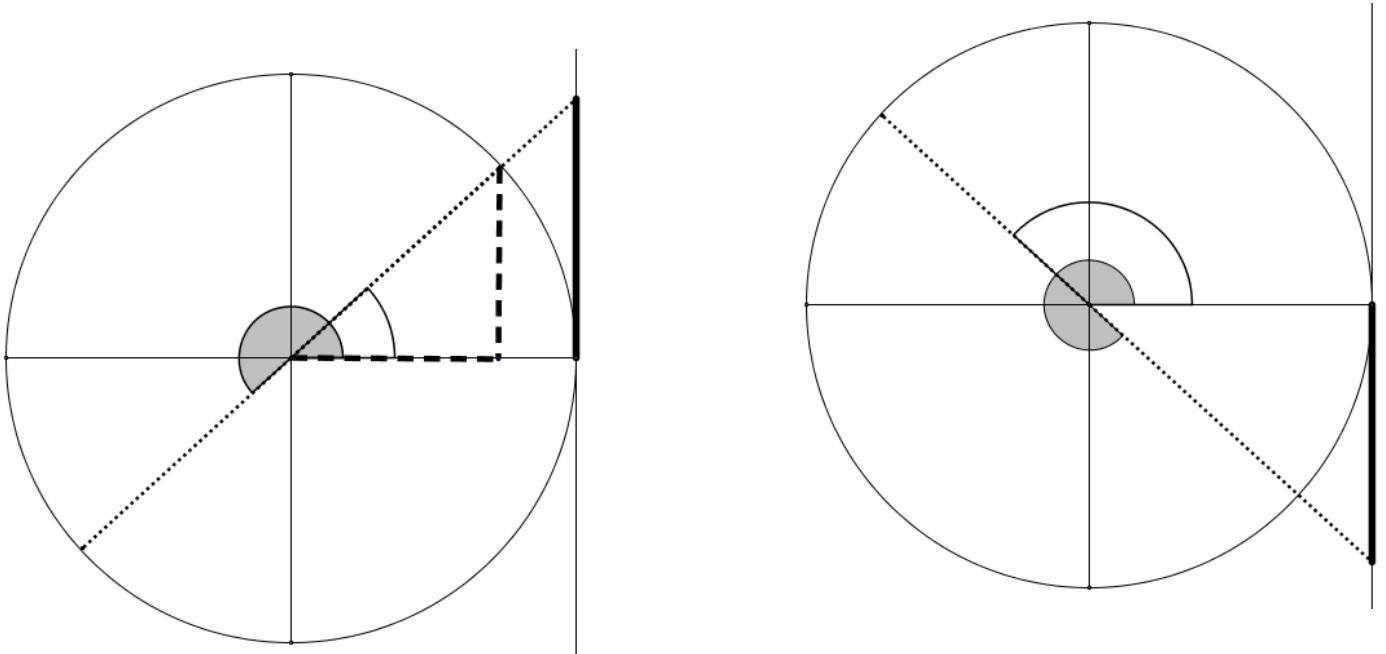


$$\sin(x) = \cos(90^\circ - x)$$

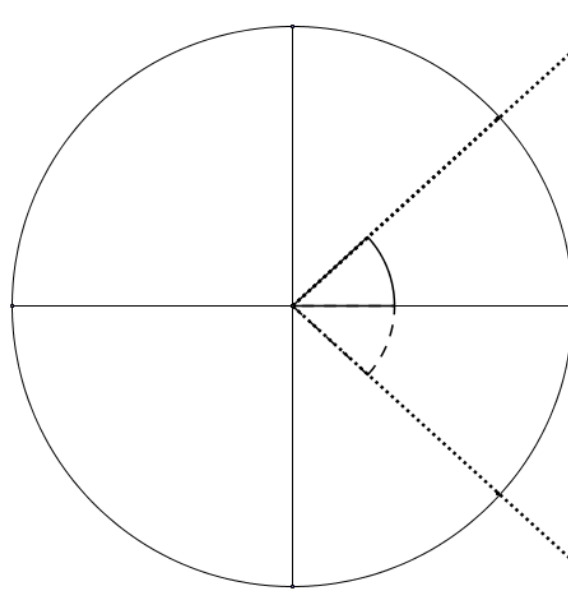


Tangens im Einheitskr.

$$\tan(x) = \tan(180^\circ + x)$$

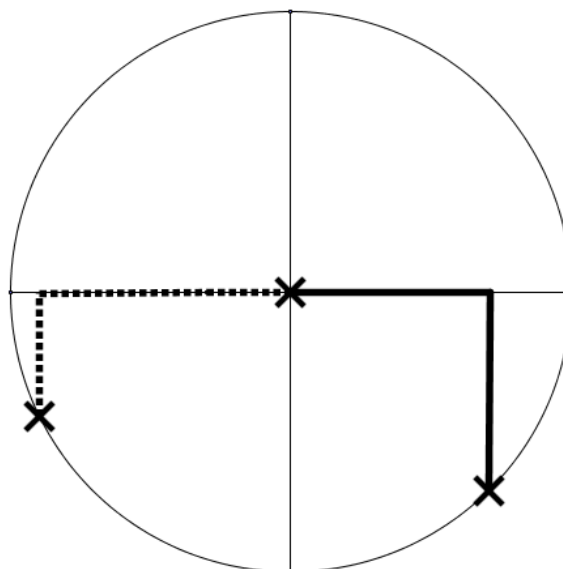
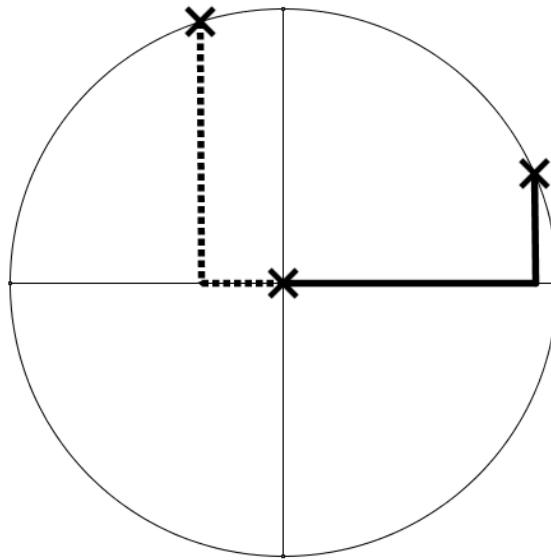


$$\tan(x) = -\tan(-x)$$



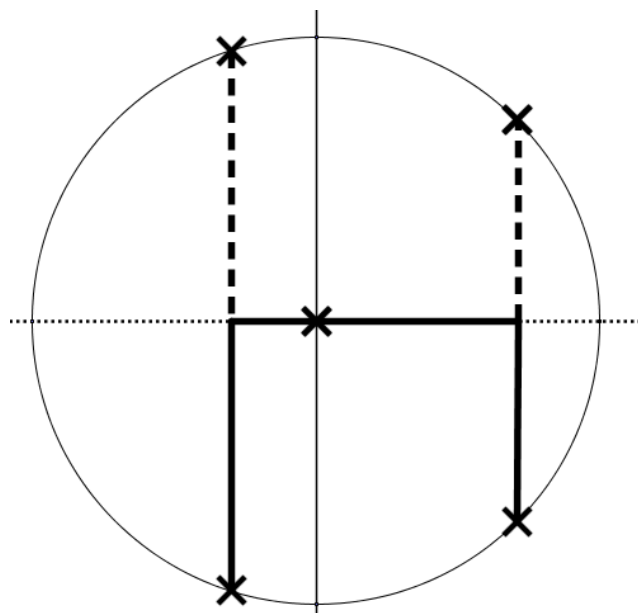
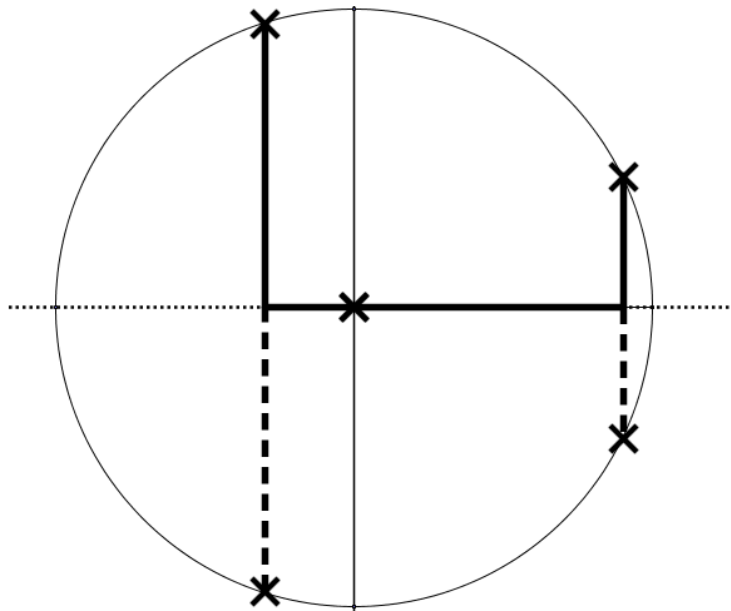
Punkte auf dem EK

$$P(\cos(x)|\sin(x))$$



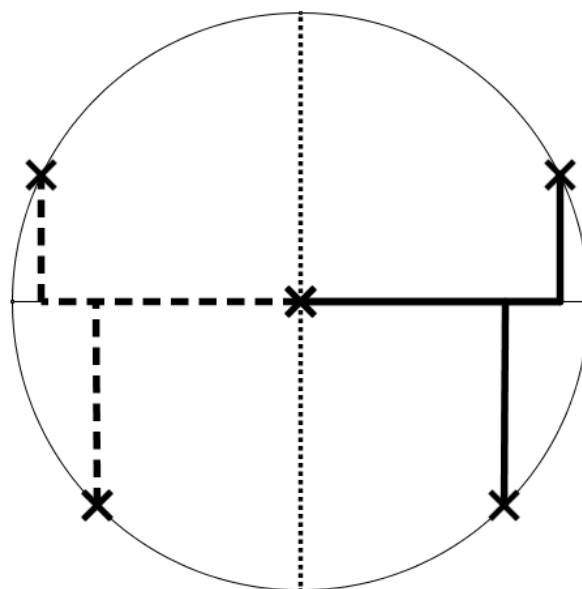
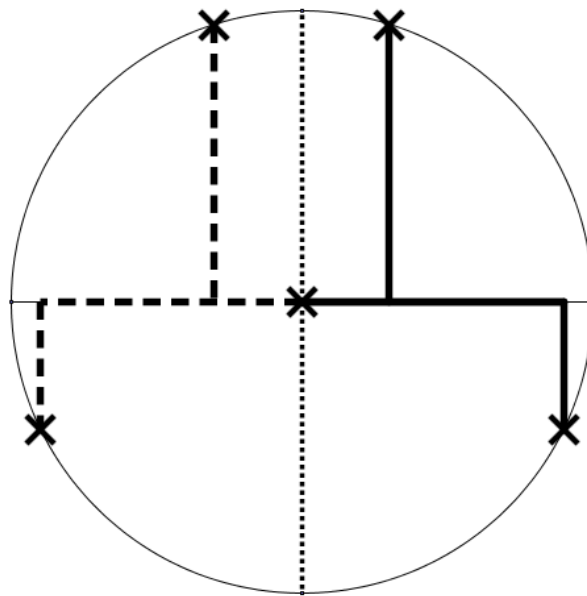
Spiegeln an der x-Achse

$P(\cos(x)|\sin(x))$



Spiegeln an der y-Achse

$P(\cos(x)|\sin(x))$



Spiegeln an beiden Achsen

$P(\cos(x)|\sin(x))$

