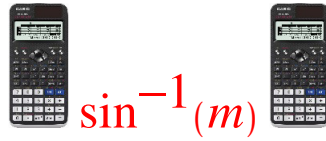
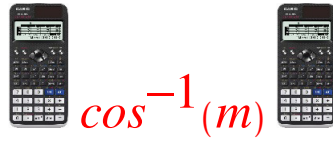


NAJEDNOSTAVNIJE TRIGONOMETRIJSKE JEDNADŽBE



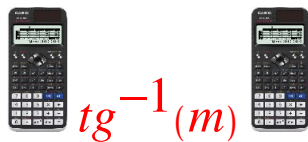
za	opće rješenje jednadžbe $\sin x = m$
$m = -1$	$x = \frac{3 \cdot \pi}{2} + k \cdot 2 \cdot \pi, k \in \mathbb{Z}$ $x = 270^\circ + k \cdot 360^\circ, k \in \mathbb{Z}$
$-1 < m < 0$	$x_1 = \sin^{-1}(m) + k \cdot 2 \cdot \pi, k \in \mathbb{Z} \quad , \quad x_2 = \pi - \sin^{-1}(m) + k \cdot 2 \cdot \pi, k \in \mathbb{Z}$ $x_1 = \sin^{-1}(m) + k \cdot 360^\circ, k \in \mathbb{Z} \quad , \quad x_2 = 180^\circ - \sin^{-1}(m) + k \cdot 360^\circ, k \in \mathbb{Z}$
$m = 0$	$x = k \cdot \pi, k \in \mathbb{Z}$ $x = k \cdot 180^\circ, k \in \mathbb{Z}$
$0 < m < 1$	$x_1 = \sin^{-1}(m) + k \cdot 2 \cdot \pi, k \in \mathbb{Z} \quad , \quad x_2 = \pi - \sin^{-1}(m) + k \cdot 2 \cdot \pi, k \in \mathbb{Z}$ $x_1 = \sin^{-1}(m) + k \cdot 360^\circ, k \in \mathbb{Z} \quad , \quad x_2 = 180^\circ - \sin^{-1}(m) + k \cdot 360^\circ, k \in \mathbb{Z}$
$m = 1$	$x = \frac{\pi}{2} + k \cdot 2 \cdot \pi, k \in \mathbb{Z}$ $x = 90^\circ + k \cdot 360^\circ, k \in \mathbb{Z}$

NAJEDNOSTAVNIJE TRIGONOMETRIJSKE JEDNADŽBE



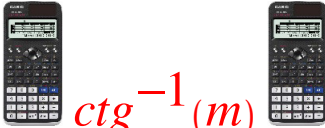
za	opće rješenje jednadžbe $\cos x = m$
$m = -1$	$x = \pi + k \cdot 2 \cdot \pi, k \in \mathbb{Z}$ $x = 180^\circ + k \cdot 360^\circ, k \in \mathbb{Z}$
$-1 < m < 0$	$x_{1,2} = \pm \cos^{-1}(m) + k \cdot 2 \cdot \pi, k \in \mathbb{Z}$ $x_{1,2} = \pm \cos^{-1}(m) + k \cdot 360^\circ, k \in \mathbb{Z}$
$m = 0$	$x = \frac{\pi}{2} + k \cdot \pi, k \in \mathbb{Z}$ $x = 90^\circ + k \cdot 180^\circ, k \in \mathbb{Z}$
$0 < m < 1$	$x_{1,2} = \pm \cos^{-1}(m) + k \cdot 2 \cdot \pi, k \in \mathbb{Z}$ $x_{1,2} = \pm \cos^{-1}(m) + k \cdot 360^\circ, k \in \mathbb{Z}$
$m = 1$	$x = k \cdot 2 \cdot \pi, k \in \mathbb{Z}$ $x = k \cdot 360^\circ, k \in \mathbb{Z}$

NAJEDNOSTAVNIJE TRIGONOMETRIJSKE JEDNADŽBE



za	opće rješenje jednadžbe $tg x = m$
$m = -\infty$ (nije korektno napisano)	$x = \frac{\pi}{2} + k \cdot \pi, k \in Z$ $x = 90^\circ + k \cdot 180^\circ, k \in Z$
$-\infty < m < 0$	$x = tg^{-1}(m) + k \cdot \pi, k \in Z$ $x = tg^{-1}(m) + k \cdot 180^\circ, k \in Z$
$m = 0$	$x = k \cdot \pi, k \in Z$ $x = k \cdot 180^\circ, k \in Z$
$0 < m < +\infty$	$x = tg^{-1}(m) + k \cdot \pi, k \in Z$ $x = tg^{-1}(m) + k \cdot 180^\circ, k \in Z$
$m = +\infty$ (nije korektno napisano)	$x = \frac{\pi}{2} + k \cdot \pi, k \in Z$ $x = 90^\circ + k \cdot 180^\circ, k \in Z$

NAJJEDNOSTAVNIJE TRIGONOMETRIJSKE JEDNADŽBE



$$ctg^{-1}(m)$$

za	opće rješenje jednadžbe $ctg x = m$
$m = -\infty$ (nije korektno napisano)	$x = k \cdot \pi, k \in Z$ $x = k \cdot 180^\circ, k \in Z$
$-\infty < m < 0$	$x = ctg^{-1}(m) + k \cdot \pi, k \in Z$ $x = ctg^{-1}(m) + k \cdot 180^\circ, k \in Z$
$m = 0$	$x = \frac{\pi}{2} + k \cdot \pi, k \in Z$ $x = 90^\circ + k \cdot 180^\circ, k \in Z$
$0 < m < +\infty$	$x = ctg^{-1}(m) + k \cdot \pi, k \in Z$ $x = ctg^{-1}(m) + k \cdot 180^\circ, k \in Z$
$m = +\infty$ (nije korektno napisano)	$x = k \cdot \pi, k \in Z$ $x = k \cdot 180^\circ, k \in Z$