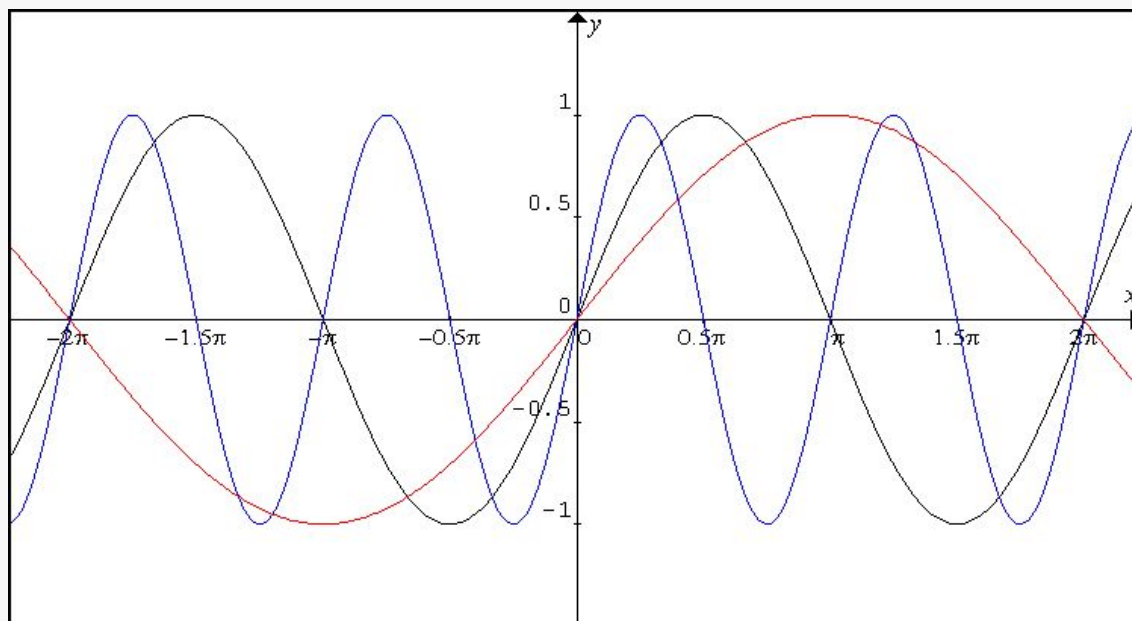


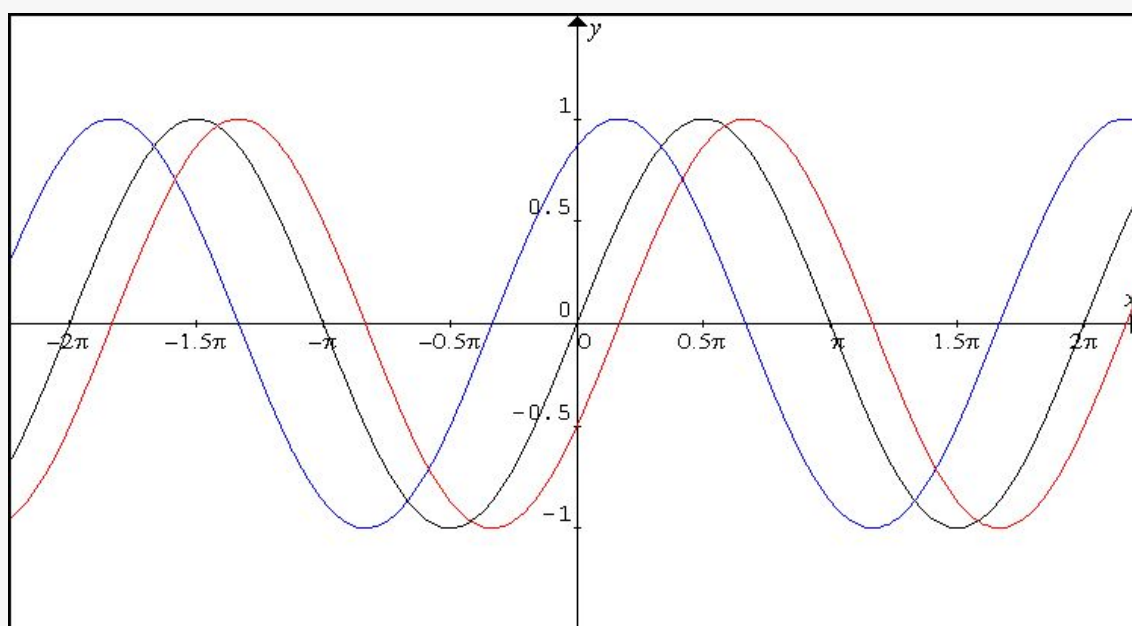
GRAF FUNKCIJE $f(x) = \sin x$

Definicijsko območje: $D_f : \mathbb{R}$, zaloga vrednosti: $Z_f : [-1, 1]$

$k \in \mathbb{Z}$	<i>ničle</i>	<i>minimumi</i>	<i>maksimumi</i>
$f(x) = \sin x$	$x_0 = k\pi$	$x_m = \frac{3\pi}{2} + 2k\pi$	$x_M = \frac{\pi}{2} + 2k\pi$
$f(x) = \sin(ax)$	$x_0 = \frac{k\pi}{a}$	$x_m = \frac{(4k+3)\pi}{2a}$	$x_M = \frac{(4k+1)\pi}{2a}$
$f(x) = \sin(ax + \phi)$	$x_0 = \frac{k\pi - \phi}{a}$	$x_m = \frac{(4k+3)\pi - 2\phi}{2a}$	$x_M = \frac{(4k+1)\pi - 2\phi}{2a}$



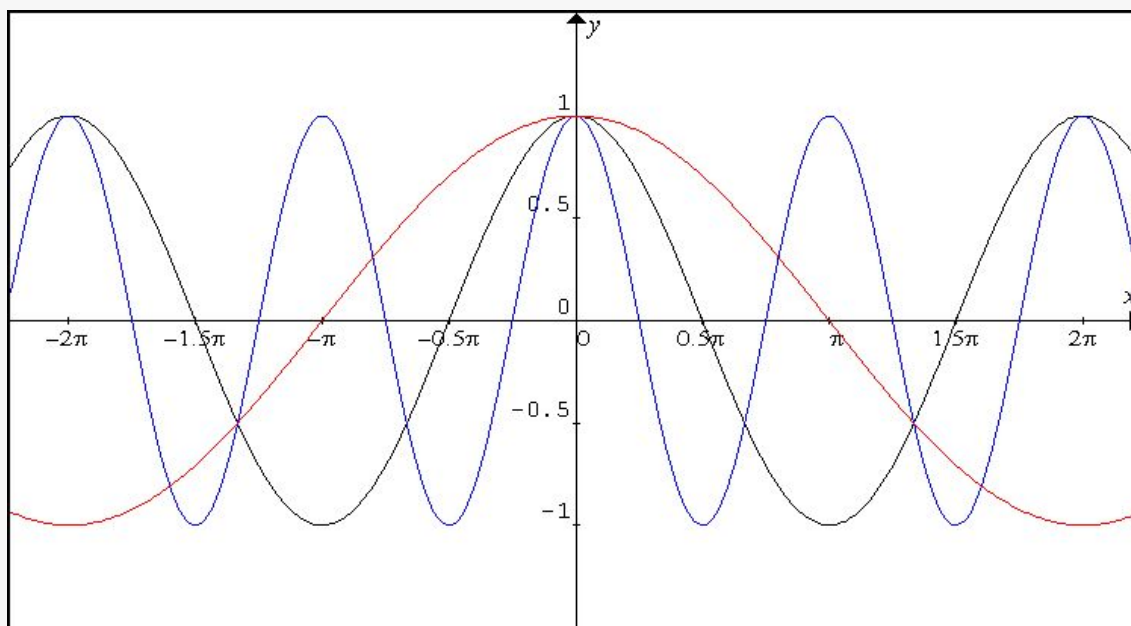
Grafi funkcij: $f(x) = \sin x$, $g(x) = \sin 2x$, $h(x) = \sin(x/2)$



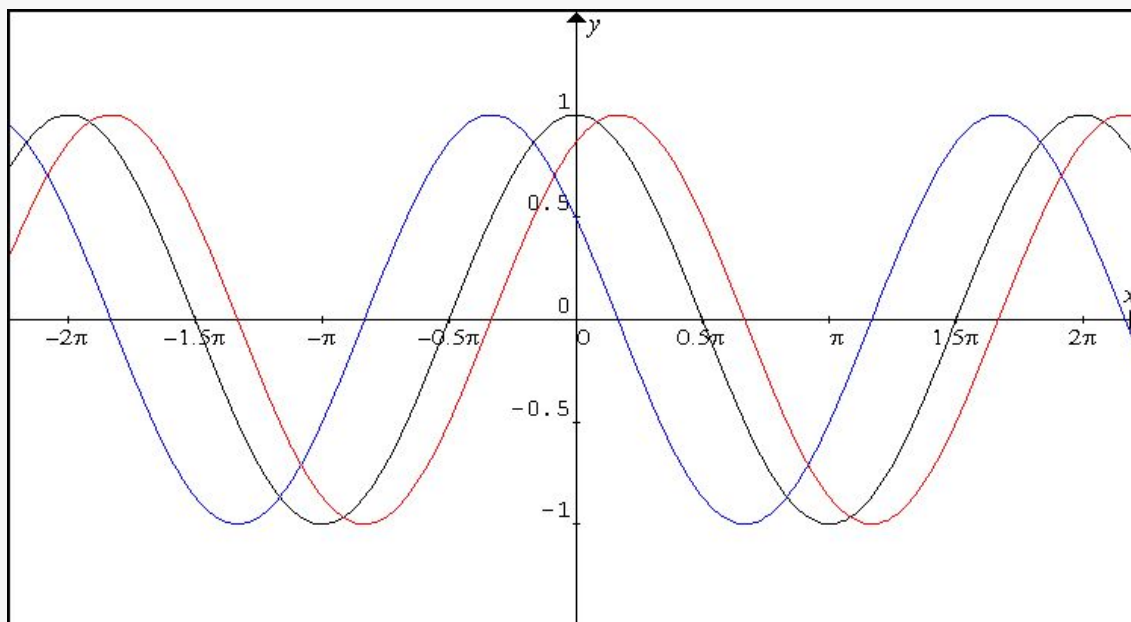
Grafi funkcij: $f(x) = \sin x$, $g(x) = \sin(x + \pi/3)$, $h(x) = \sin(x - \pi/6)$

GRAF FUNKCIJE $f(x) = \cos x$

$k \in \mathbb{Z}$	<i>ničle</i>	<i>minimumi</i>	<i>maksimumi</i>
$f(x) = \cos x$	$x_0 = \frac{\pi}{2} + k\pi$	$x_m = \pi + 2k\pi$	$x_M = 2k\pi$
$f(x) = \cos(ax)$	$x_0 = \frac{(2k+1)\pi}{2a}$	$x_m = \frac{(2k+1)\pi}{a}$	$x_M = \frac{2k\pi}{a}$
$f(x) = \cos(ax + \phi)$	$x_0 = \frac{(2k+1)\pi - 2\phi}{2a}$	$x_m = \frac{(2k+1)\pi - \phi}{a}$	$x_M = \frac{2k\pi - \phi}{a}$



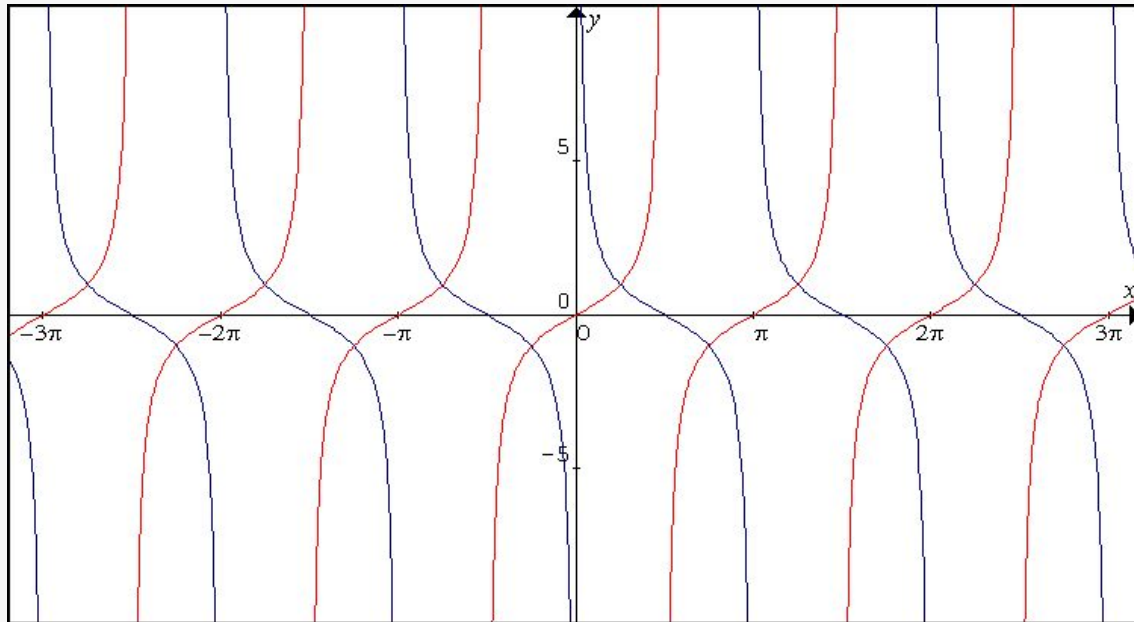
Grafi funkcij: $f(x) = \cos x$, $g(x) = \cos 2x$, $h(x) = \cos(x/2)$



Grafi funkcij: $f(x) = \cos x$, $g(x) = \cos(x + \pi/3)$, $h(x) = \cos(x - \pi/6)$

GRAFA FUNKCIJE $f(x) = \operatorname{tg} x$ IN $g(x) = \operatorname{ctg} x$

$k \in \mathbb{Z}$	<i>ničle</i>	<i>minimumi: $y \rightarrow \infty$</i>	<i>maksimumi: $y \rightarrow -\infty$</i>
$f(x) = \operatorname{tg} x$	$x_0 = k\pi$	$x_m \searrow \frac{\pi}{2} + k\pi$	$x_M \nearrow \frac{\pi}{2}k\pi$
$g(x) = \operatorname{ctg} x$	$x_0 = \frac{\pi}{2} + k\pi$	$x_m \nearrow k\pi$	$x_M \searrow k\pi$



Graf funkcij: $f(x) = \operatorname{tg} x$, $g(x) = \operatorname{ctg} x$