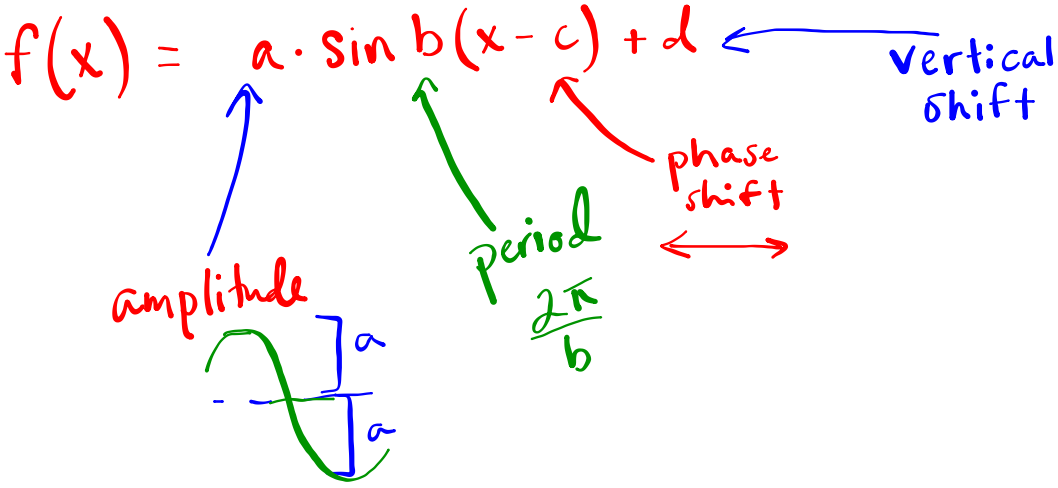
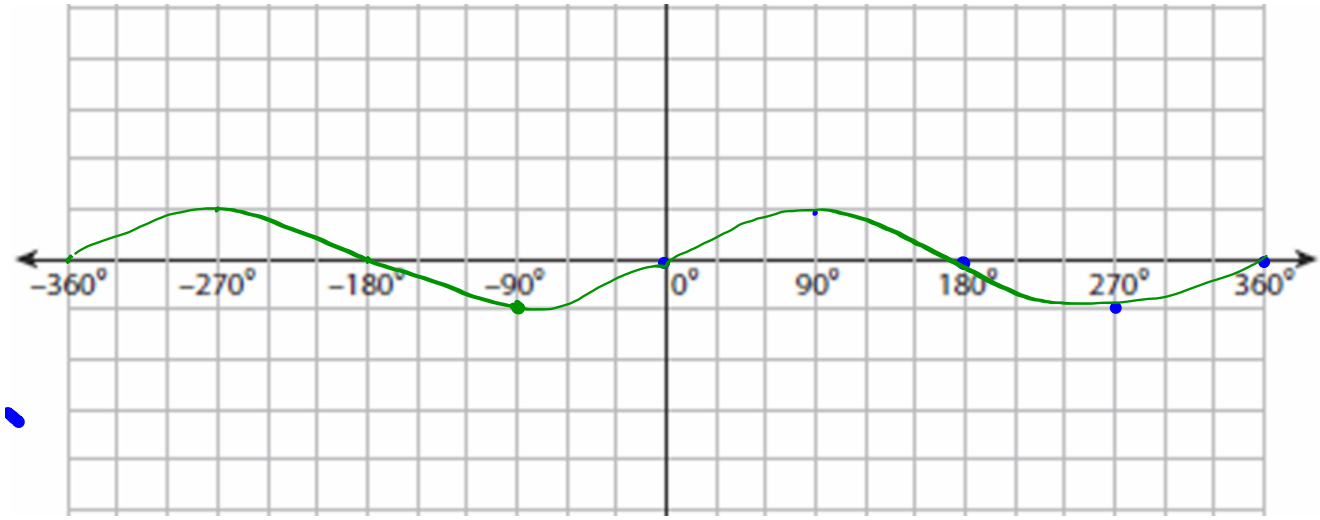
Keeper #16: graphing trig functions



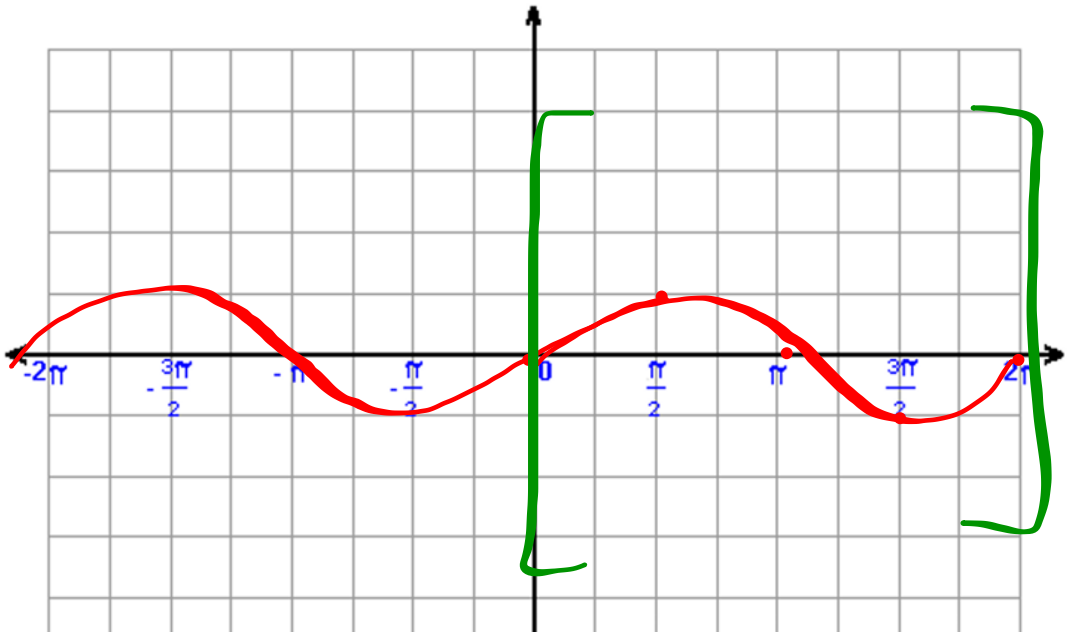
sin(x)

X	0	90	180	270	360
Y	0	1	0	-1	0



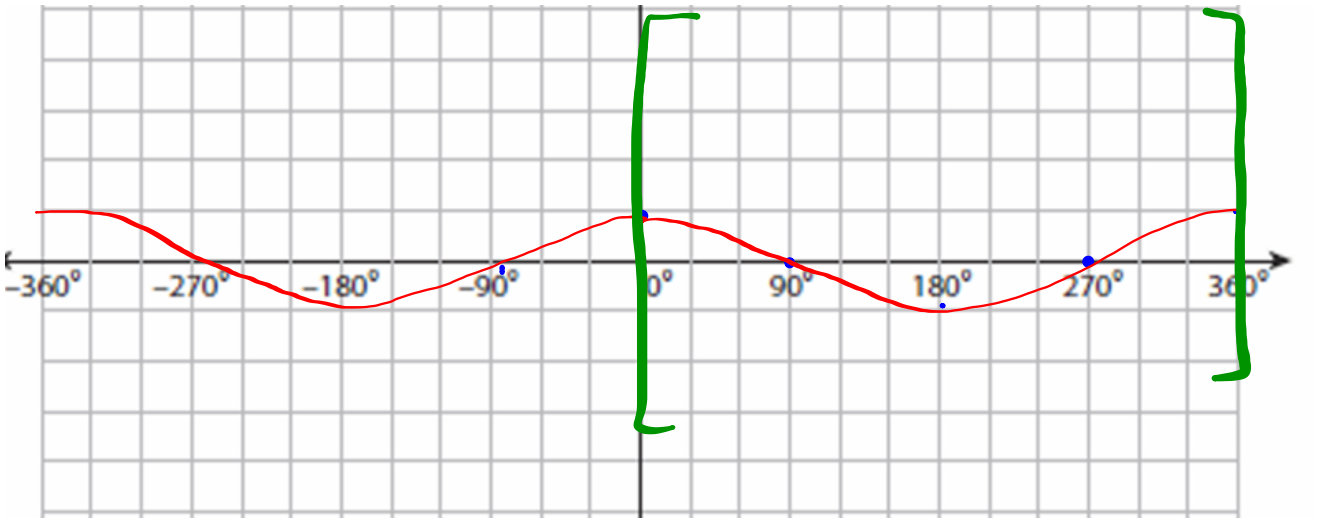
sin(x)

X	0	$\frac{\pi}{2}$	π	$\frac{3\pi}{2}$	2π
Y	0	1	0	−1	0

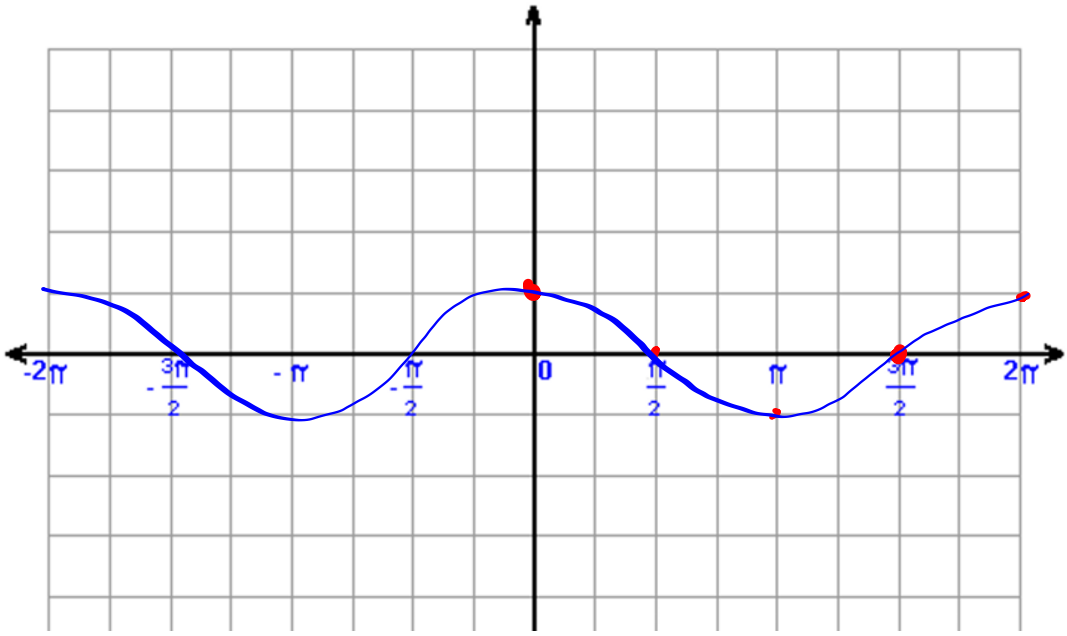


cos(x)

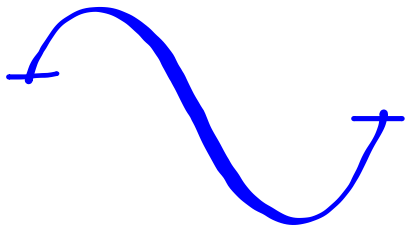
X	0	90	180	270	360
Y	1	0	-1	0	1



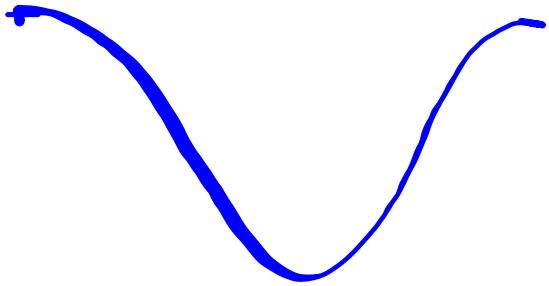
X	0	$\frac{\pi}{2}$	π	$\frac{3\pi}{2}$	2π
Y	1	0	-1	0	1



sin



cos

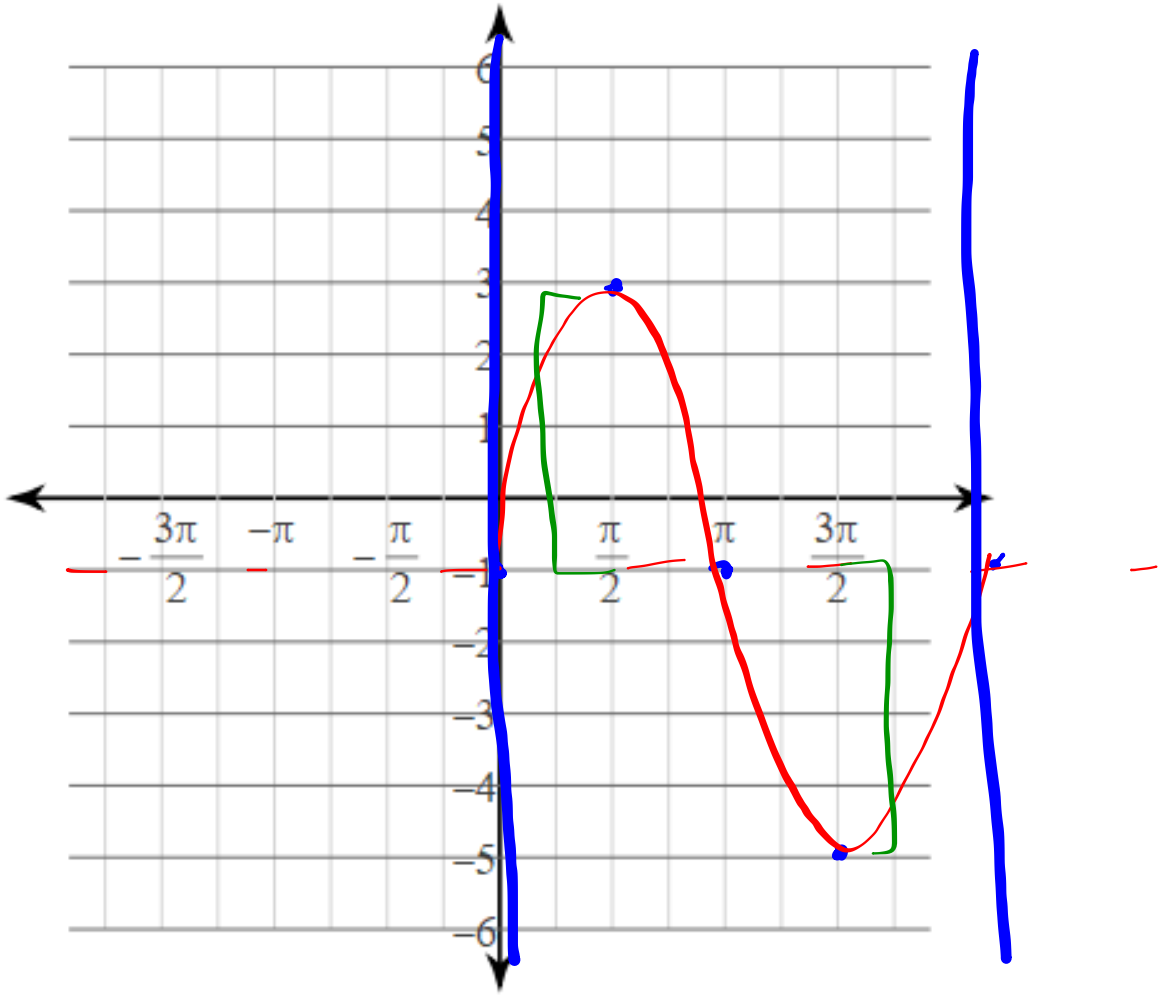


Amp change - mult. to y

VS - ± to y-values

$y = 4\sin(x) - 1$

X	0	$\frac{\pi}{2}$	π	$\frac{3\pi}{2}$	2π
Y	0	1	0	−1	0
$4 \cdot y - 1$	−1	3	−1	−5	−1


6
5
4
3
2
1
−1
−2
−3
−4
−5
−6
$-\frac{3\pi}{2}$
$-\pi$
$-\frac{\pi}{2}$
$\frac{\pi}{2}$
π
$\frac{3\pi}{2}$