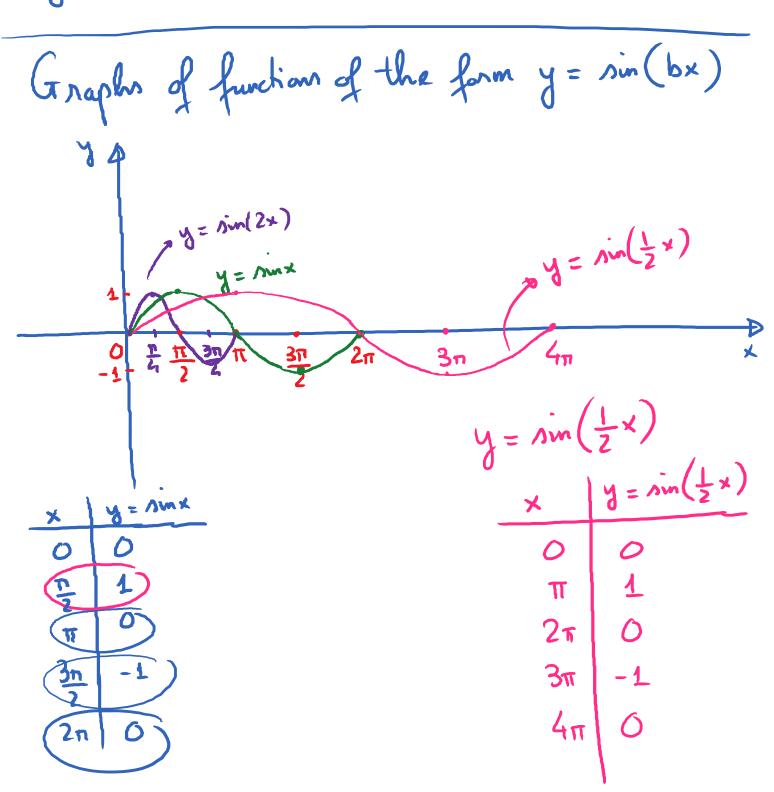


The amplitude of a periodic function is half the difference between the maximum and the minimum values of the function

In general, the amplitude of y = asinx or y = acosx is |a|.

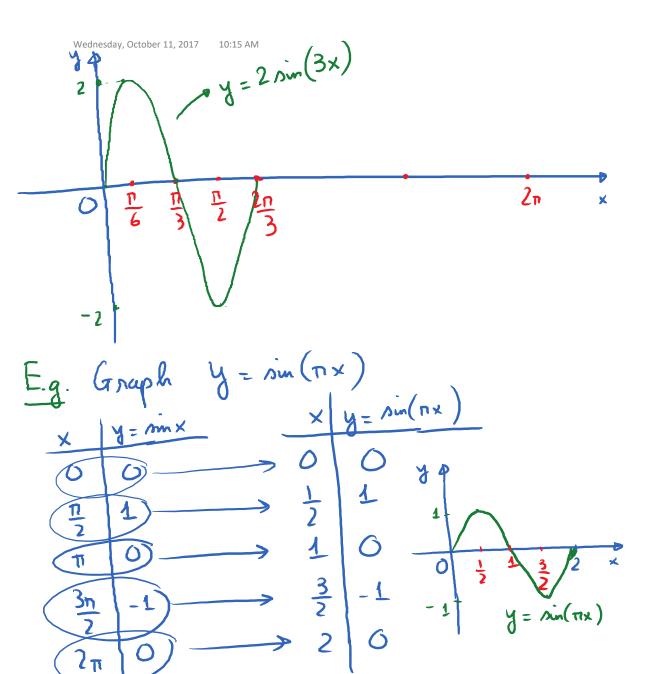


The period of the function
$$y = sin(bx)$$
 or $y = cos(bx)$ is 2π .

Graphs of Functions of the form
$$y = a sin(bx)$$

E.g. Graph the function $y = 2 \sin(3x)$ in one period.

Parisod =
$$\frac{2\pi}{3}$$
; Amplitude = $\frac{2\pi}{3}$; Amplitude = $\frac{2\pi}{3}$; $\frac{2\pi}{3}$; $\frac{2\pi}{3}$; $\frac{\pi}{3}$; $\frac{\pi$



E.x. Graph $y = 3 con(\pi x)$ in one period. Wednesday, October 11, 2017 10:23 AM

A= COUR

 $x | y = 3\cos(\pi x)$

Solved!