

Sort It Out

Trigonometric Graphs

Sort these properties of trigonometric graphs into each of the categories - $y = \sin x$, $y = \cos x$ or $y = \tan x$. Some properties may apply to more than one graph, and some may apply to none.

1	Passes through $(0, 0)$	2	Graph repeats itself every 360°	3	Has a maximum y -value of 1
4	Symmetrical about the y -axis	5	Passes through $(0, 1)$	6	Symmetrical about the x -axis
7	Has rotational symmetry order 2 about origin	8	Has an asymptote at $x = 90^\circ$	9	Has a minimum y -value of -1
10	Passes through $(0, -1)$	11	Symmetrical about the line $x = 180^\circ$	12	Passes through $(360, 0)$
13	Has an asymptote at $x = 180^\circ$	14	Graphs repeats itself every 180°	15	Has rotational symmetry order 2 about $(90, 0)$

A	$y = \sin x$	B	$y = \cos x$
1	2	3	7
9	12	2	3
		4	5
		9	11
		15	
C	$y = \tan x$	D	<i>None of them</i>
1	2	7	8
12	14	15	6
			10
			13