

# 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.

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

<b>A</b>	$y = \sin x$	<b>B</b>	$y = \cos x$
<b>C</b>	$y = \tan x$	<b>D</b>	<i>None of them</i>