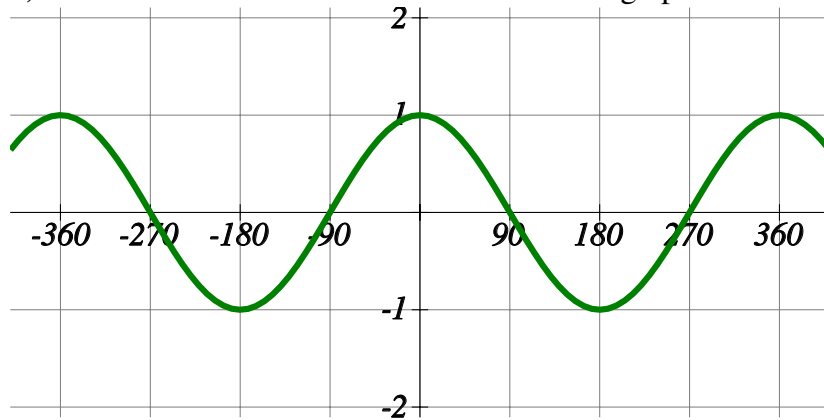


# Trigonometry - Calculator and Graphs of sine, cos and tan

Name:	Class:	Date:
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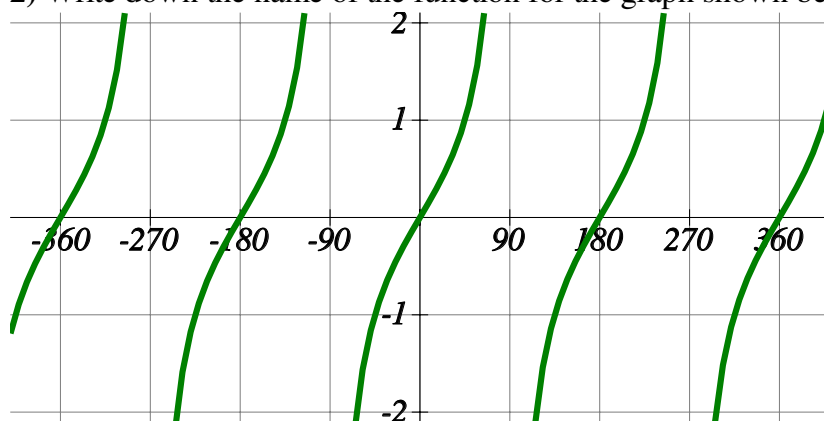
1) Write down the name of the function for the graph shown below

[1]



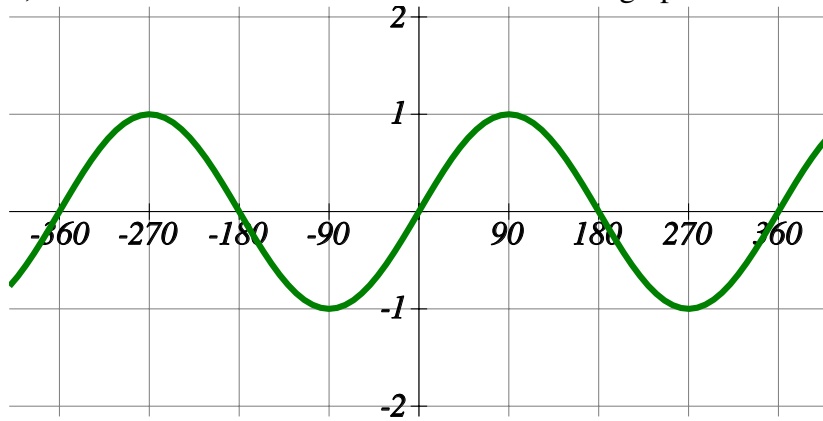
2) Write down the name of the function for the graph shown below

[1]



3) Write down the name of the function for the graph shown below

[1]



4) Use your calculator to find the value of the following, rounding your answer to 3 significant figures [3]

a)  $\cos 173^\circ$

b)  $\sin 138^\circ$

c)  $\tan 87^\circ$

5) Find the exact value of the following

[3]

a)  $\tan 45^\circ$

b)  $\sin 0^\circ$

c)  $\cos 0^\circ$

6) Find the smallest positive value of  $x$ , rounded to 1 decimal place, given the following information [3]

a)  $\sin x = 0.151$

b)  $\cos x = 0.391$

c)  $\tan x = 0.651$

## Solutions for the assessment Trigonometry - Calculator and Graphs of sine, cos and tan

1)  $y = \cos x$

2)  $y = \tan x$

3)  $y = \sin x$

4) a)  $\cos 173^\circ = -0.993$

b)  $\sin 138^\circ = 0.669$

c)  $\tan 87^\circ = 19.1$

5) a)  $\tan 45^\circ = 1$

b)  $\sin 0^\circ = 0$

c)  $\cos 0^\circ = 1$

6) a)  $x = 8.7^\circ$

b)  $x = 67^\circ$

c)  $x = 33.1^\circ$