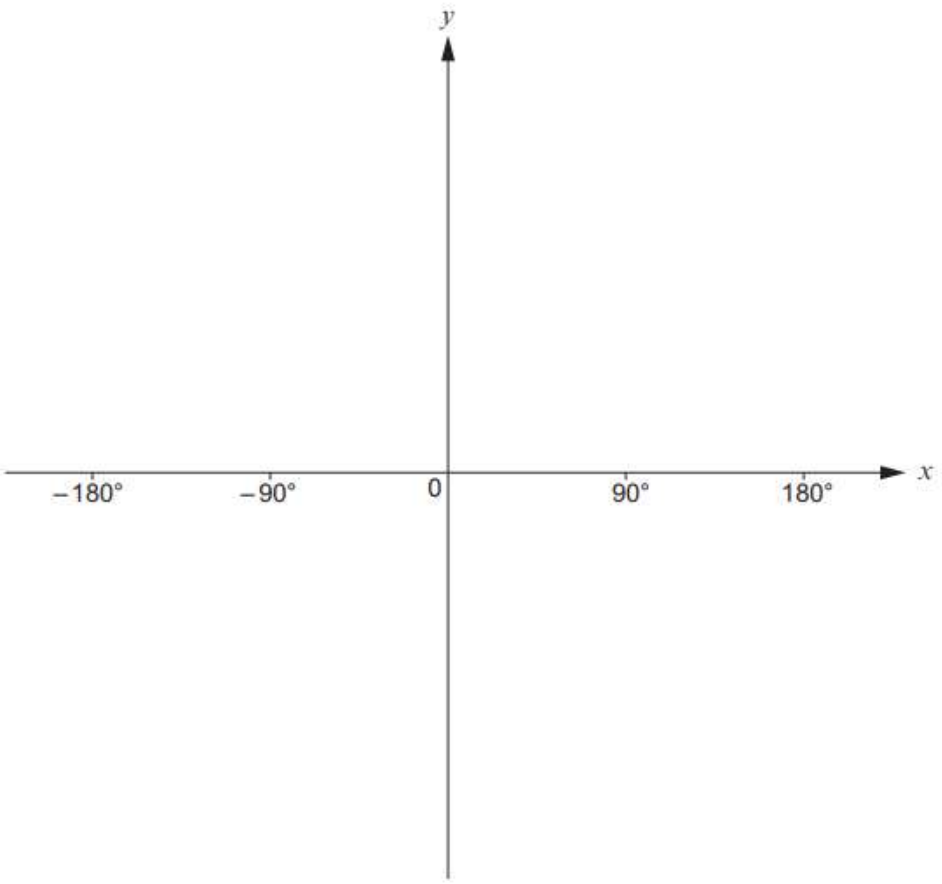
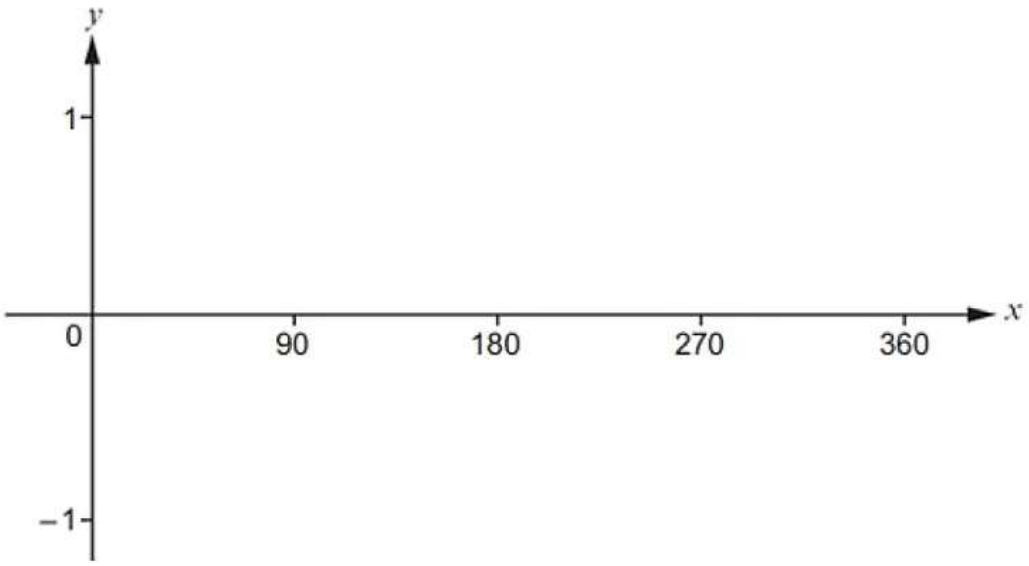
Higher Maths Nov 2018 P2 Q11

Sketch the curve $y = \tan x$, for values of x in the range $x = -180°$ to $x = 180°$. [2]



Higher Maths Nov 2017 P2 Q14

(a) Sketch the curve $y = \sin x$, for values of x in the range $x = 0°$ to $x = 360°$.



(b) Solve each of the following equations.
Give all answers in the range $x = 0°$ to $x = 360°$.

(i) $\sin x = 0{\cdot}3$ [2]

(ii) $\sin x + 1 = 0$ [1]

Higher Maths June 2017 P1 Q15

(a) Using the axes below, **sketch** the graph of $y = \sin x$ for values of x from 0° to 360°.
You must label any important values on both axes. [2]

(b) Circle the value that is equal to sin 200°. [1]

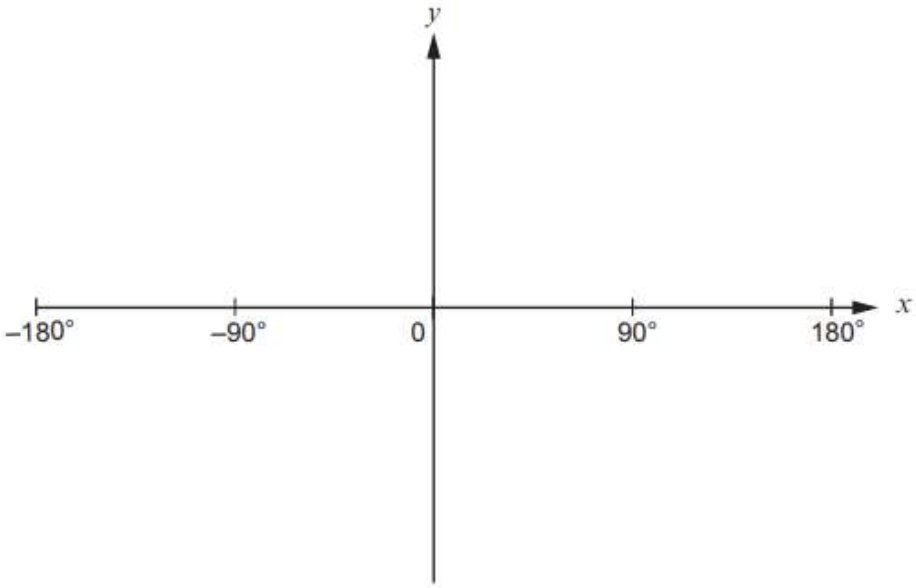
sin 20° sin 100° sin 160° sin 220° sin 340°

Higher Maths Nov 2016 P1 Q15b

(b) Using the axes below, **sketch** the graph of $y = \cos x + 1$ for values of x from 0° to 360°. [2]

Higher Maths Summer 2019 P2 Q16

(a) Sketch the curve $y = \sin x$ on the axes below.
You must indicate any important values on the y-axis. [2]



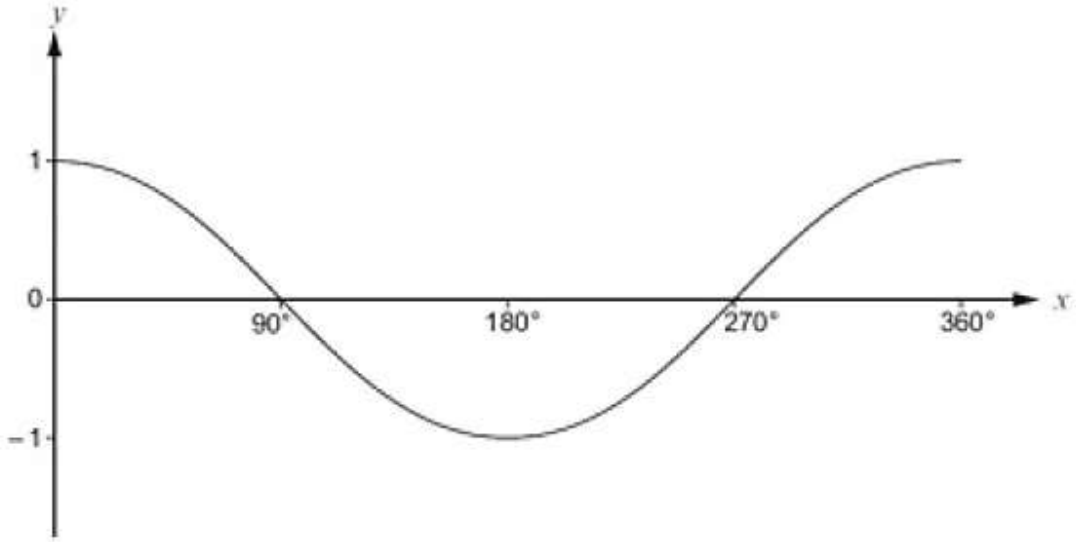
(b) Solve the equation $\sin x = -0{\cdot}5$.
Give all answers in the range $x = -180°$ to $x = 180°$. [2]

Higher Maths Sample 1 P2 Q16

Using the axes below, **sketch** the graph of $y = \sin x + 3$ for values of x from 0° to 360°. [2]

Higher Maths Summer 2018 P1 Q18

The following diagram shows a sketch of $y = \cos x$ for values of x from 0° to 360°.

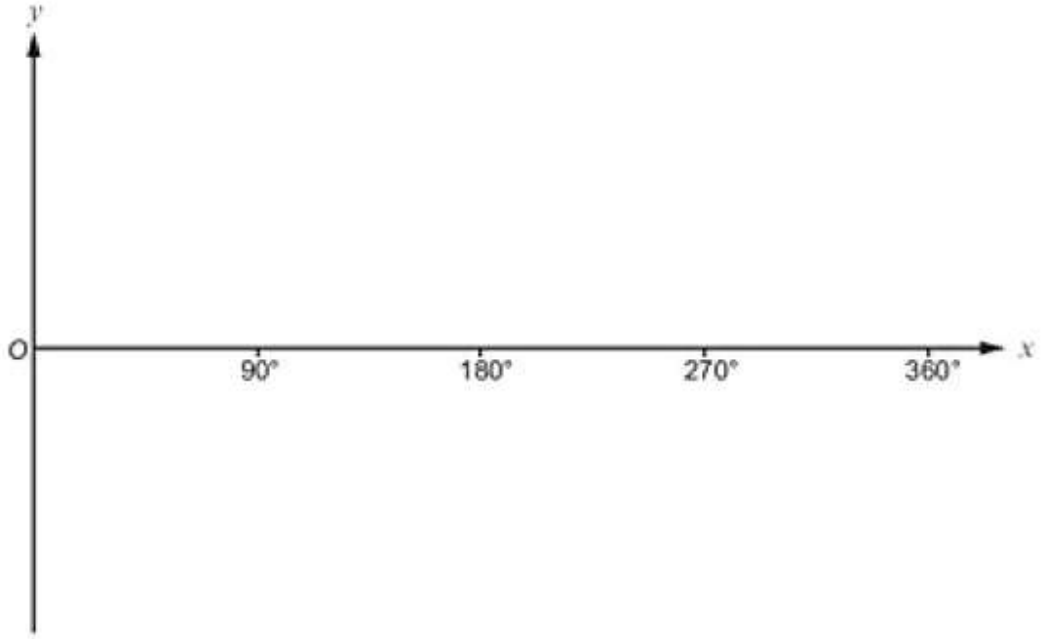


(a) Given that $\cos 21° = 0{\cdot}9336$, correct to 4 decimal places, write down all the solutions of the equation

$$\cos x = -0{\cdot}9336$$

for values of x from 0° to 360°. [2

(b) (i) Use the following axes to sketch the graph of $y = 2\cos x$ for values of x from 0° to 360°.
You must indicate any important points on both axes. [2]



(ii) Use the following axes to sketch the graph of $y = \cos x - 1$ for values of x from 0° to 360°.
You must indicate any important points on both axes. [2]