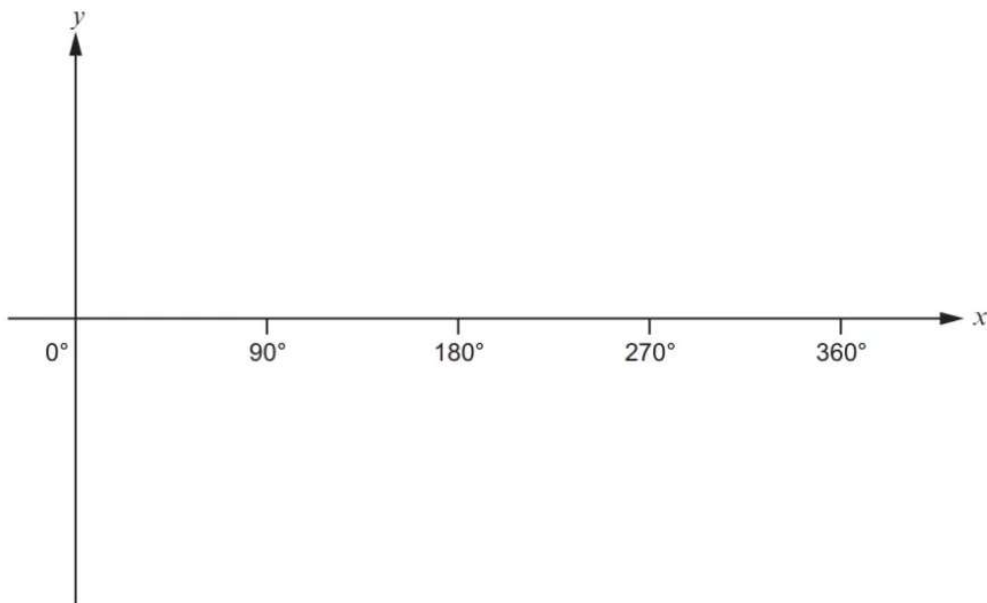


WJEC June 2018 Q15

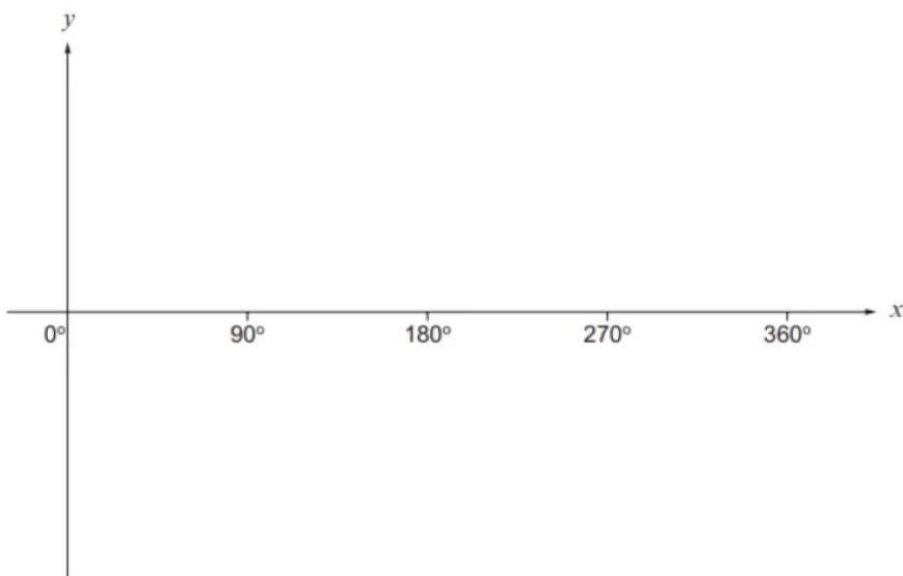
- (a) On the axes below, sketch the graph of $y = 6\cos x$ for values of x from 0° to 360° . [2]



- (b) Find all the solutions of the equation $6\cos x = -1$ for values of x from 0° to 360° . [2]

WJEC June 2017 Q15

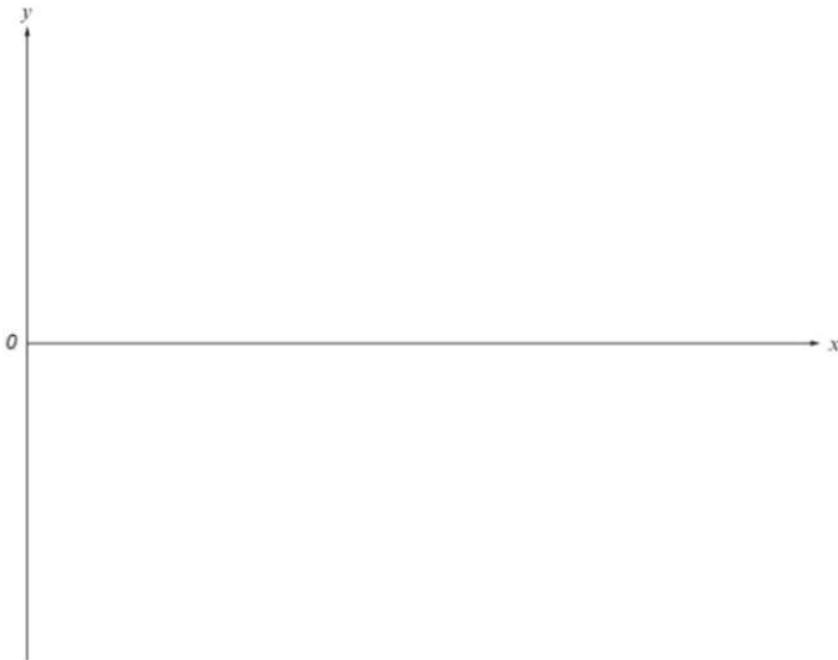
- (a) On the axes below, sketch the graph of $y = 4\sin x$ for values of x from 0° to 360° . [2]



- (b) Find all the solutions of the equation $4\sin x = 1$ for values of x from 0° to 360° . [2]

WJEC June 2016 Q11

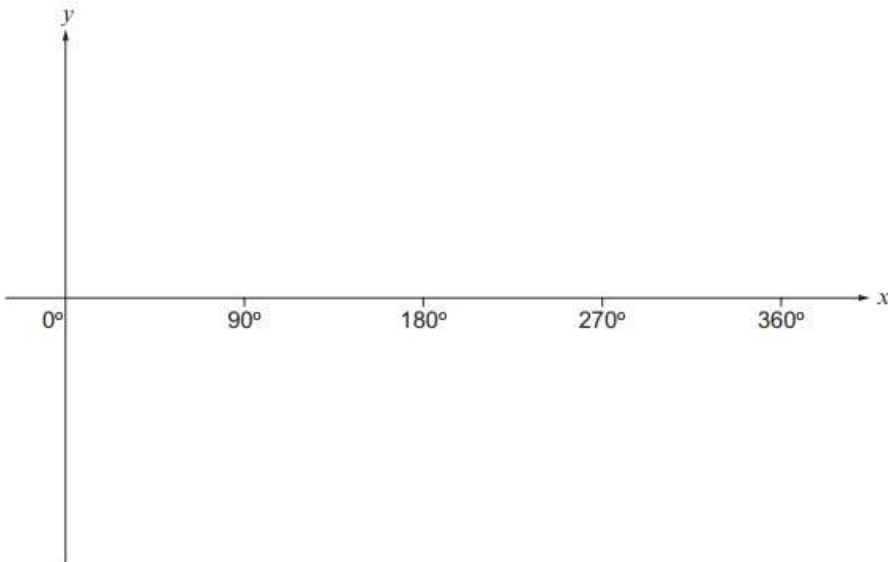
- (a) Use the axes below to sketch the graph of $y = -3\cos x + 5$ for values of x from 0° to 360° . You must label any important values on the axes. [3]



- (b) State the maximum and minimum values of $y = -3\cos x + 5$. [2]

WJEC June 2015 Q15

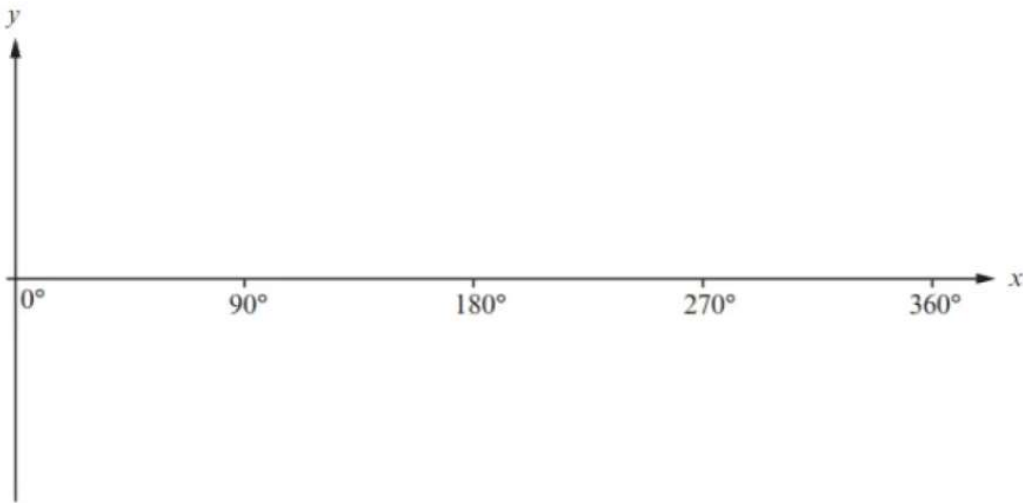
- (a) On the axes below, sketch the graph of $y = 5\cos x$ for values of x from 0° to 360° . [2]



- (b) Find all the solutions of the equation $5\cos x = 0$ for values of x from 0° to 360° . [1]

WJEC June 2013 Q15

(a) On the axes below, sketch the graph of $y = 4\sin x$ for values of x from 0° to 360° .



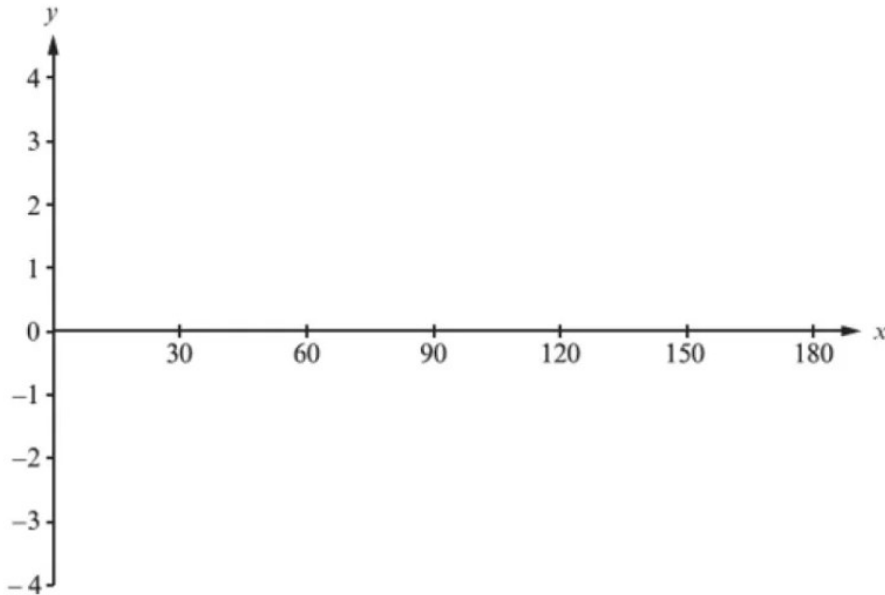
[2]

(b) Find all the solutions of the equation $4\sin x = 0$ for values of x from 0° to 360° .

[1]

WJEC June 2011 Q14

(a) On the axes below, sketch the graph of $y = 3\sin 2x$ for values of x from 0° to 180° .



[2]

(b) Find all the solutions of the equation $3\sin 2x = 1$ for values of x from 0° to 180° , giving your answers correct to one decimal place.

[3]

WJEC June 2012 Q16

(a) Select one of the following equations to match the sketch shown below.

$$y = 2\sin 3x$$

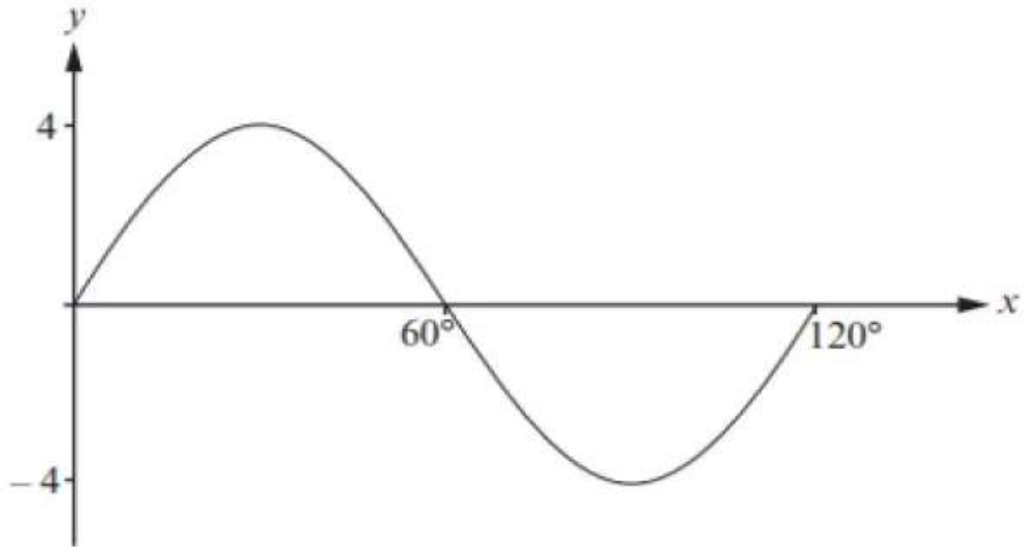
$$y = 3\sin 3x$$

$$y = 4\sin 3x$$

$$y = 4\sin 4x$$

$$y = 3\sin 4x$$

$$y = 3\sin 2x$$



(b) (i) Write down the minimum value of $y = \sin 5x$.

[1]

(ii) Find all solutions of the equation $\sin 5x = 1$ for values of x from 0° to 100° .
