

## Trig Graphs and Solutions (NON C

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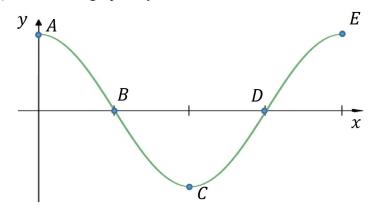


## 1) Trig Graphs and Solutions (NON CALC): Easier

1) Complete the table of exact trigonometric values. Some have been done for you			
x	30°	45°	60°
sin x		$\frac{\sqrt{2}}{2}$	
cos x			$\frac{1}{2}$
tan x	$\frac{\sqrt{3}}{3}$		

(3 marks)

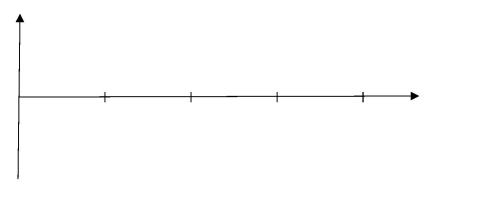
2) Below is a graph of  $y = \cos x$  for  $0^\circ \le x \le 360^\circ$ .



a) Complete the missing coordinates for the points below

$$A(0, ), B( , ), C(180, ), D( , ), E( , 1)$$
  
(3 mark)

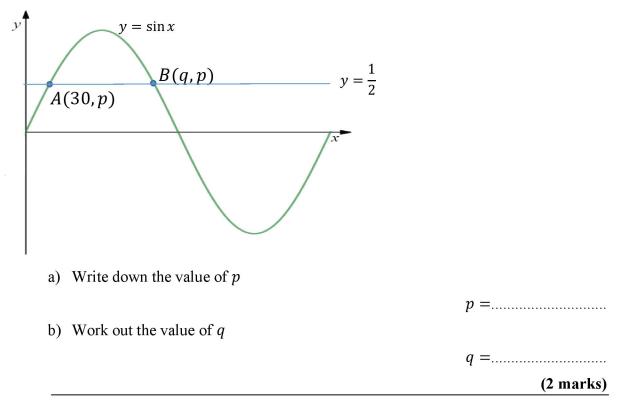
b) Sketch the graph for  $y = \sin x$  for value  $0^{\circ} \le x \le 360^{\circ}$ .



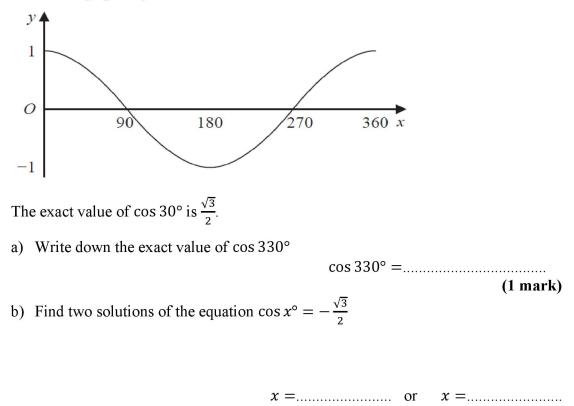


## 1) Trig Graphs and Solutions (NON CALC): Medium

3)  $y = \sin x$ , for  $0^{\circ} \le x \le 360^{\circ}$ , is shown on the graph below. The line  $y = \frac{1}{2}$  is also shown on the graph.



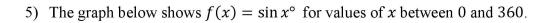
4) Here is the graph of  $y = \cos x$  for  $0^\circ \le x \le 360^\circ$ 

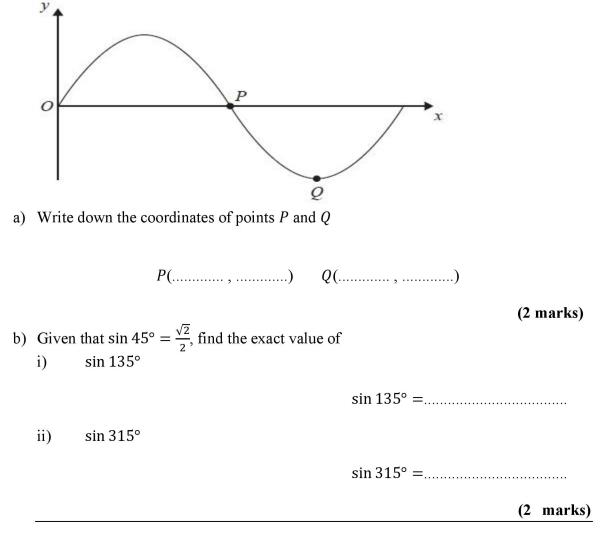


(2 marks)

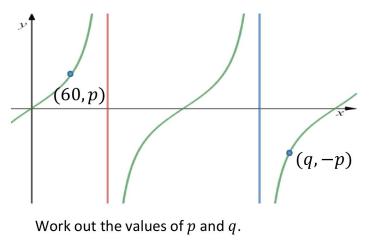


## 1) Trig Graphs and Solutions (NON CALC): Harder





6) The graph below shows y = tan x, for  $0^{\circ} \le x \le 360^{\circ}$  and the coordinates of two points



*p* =.....

*q* =.....

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(2 marks)