Name:_____

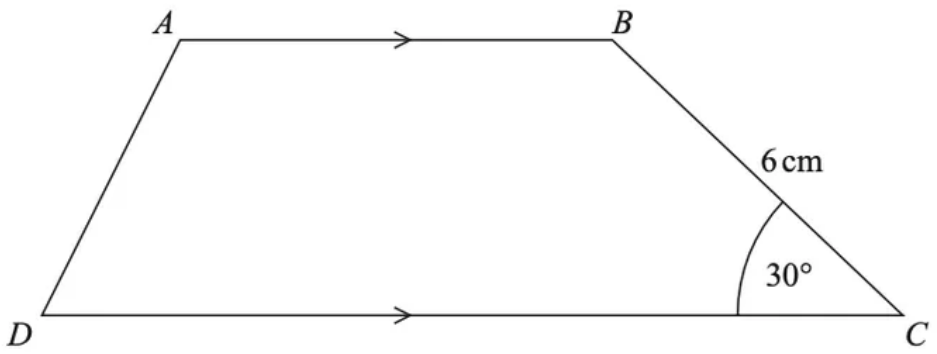
GCSE (1 - 9) Exact Trig Values	Solutions:

These questions are compiled from *released* Pearson Edexcel GCSE maths exam papers
They contain exam questions from up until the ***November 2021*** exam series
More recent exam papers do exist but are withheld for mock exams
As new exam papers are released these worksheets will gradually be updated
The ***most current*** version of these worksheets will always be available at: kennethstafford.co.uk
These worksheets were made using examq.co.uk

Question	Where the question appeared
1	Edexcel, GCSE, Autumn 2021, Paper 1H, Q18
2	Edexcel, GCSE, Summer 2019, Paper 1H, Q14
3	Edexcel, GCSE, Autumn 2018, Paper 1H, Q8
4	Edexcel, GCSE, Autumn 2017, Paper 1H, Q20

1

Here is trapezium $ABCD$.



The area of the trapezium is $66\,cm^2$

the length of AB : the length of $CD = 2 : 3$

Find the length of AB.

..... cm

(Total for Question 18 is 5 marks)

[Edexcel, GCSE, Autumn 2021, Paper 1H, Q18]

2

Find the exact value of $\tan 30° \times \sin 60°$
Give your answer in its simplest form.

.....

(Total for Question 14 is 2 marks)

[Edexcel, GCSE, Summer 2019, Paper 1H, Q14]

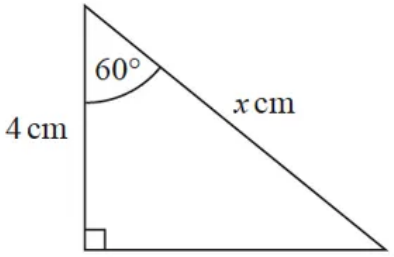
3

(a) Write down the exact value of tan 45°

.....

(1)

Here is a right-angled triangle.



cos 60° = 0.5

(b) Work out the value of x.

.....

(2)

(Total for Question 8 is 3 marks)

[Edexcel, GCSE, Autumn 2018, Paper 1H, Q8]

4

The table shows some values of x and y that satisfy the equation $y = a\cos x° + b$

x	0	30	60	90	120	150	180
y	3	$1 + \sqrt{3}$	2	1	0	$1 - \sqrt{3}$	-1

Find the value of y when $x = 45$

.....

(Total for Question 20 is 4 marks)

[Edexcel, GCSE, Autumn 2017, Paper 1H, Q20]