



# JP Maths

## Revision



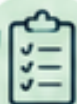
Attempt the paper  
before watching the  
solutions!

[https://www.youtube.com/  
@JPMathsRevision](https://www.youtube.com/@JPMathsRevision)



FOUNDATION / HIGHER TIER

## Exact Trig Values



### INSTRUCTIONS

- Use **black ink** or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a  $\pi$  button, take the value of  $\pi$  to be 3.142 unless the question instructs otherwise.



### INFORMATION

- The marks for **each** question are shown in brackets– *use this as a guide as to how much time to spend on each question.*



### ADVICE

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.



*You've got this!* ❤️

1. Complete the following table:

| $x^\circ$       | 0 | 30 | 45 | 60 | 90 |
|-----------------|---|----|----|----|----|
| $\sin(x^\circ)$ |   |    |    |    |    |
| $\cos(x^\circ)$ |   |    |    |    |    |
| $\tan(x^\circ)$ |   |    |    |    |    |

(Total for Question 1 is 3 marks)

2. Write down the value of  $\sin(30^\circ)$

.....  
(Total for Question 2 is 1 mark)

3. Write down the value of  $\cos(60^\circ)$

.....  
(Total for Question 3 is 1 mark)

4. Write down the value of  $\tan(45^\circ)$

.....  
(Total for Question 4 is 1 mark)

5. Write down the value of  $\sin(45^\circ)$

.....  
(Total for Question 5 is 1 mark)

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6. Write down the value of  $\cos(30^\circ)$

.....  
(Total for Question 6 is 1 mark)

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7. Write down the value of  $\tan(60^\circ)$

.....  
(Total for Question 7 is 1 mark)

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8. Write down the value of  $\sin(60^\circ)$

.....  
(Total for Question 8 is 1 mark)

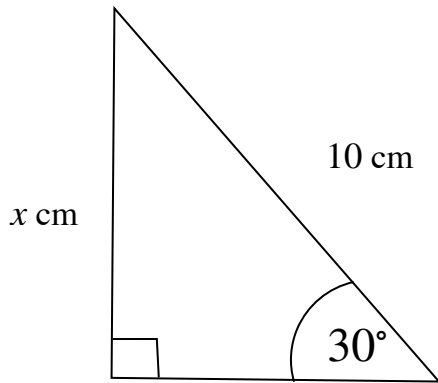
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9. Write down the value of  $\cos(45^\circ)$

.....  
(Total for Question 9 is 1 mark)

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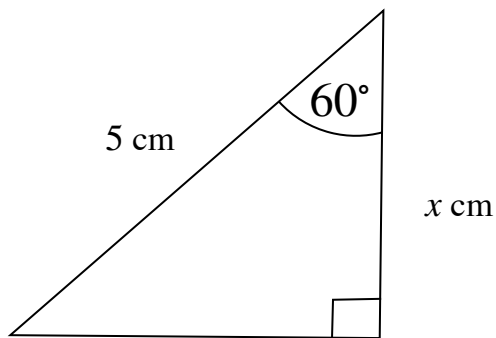
10. Work out the value of  $x$ .



cm

(Total for Question 10 is 2 marks)

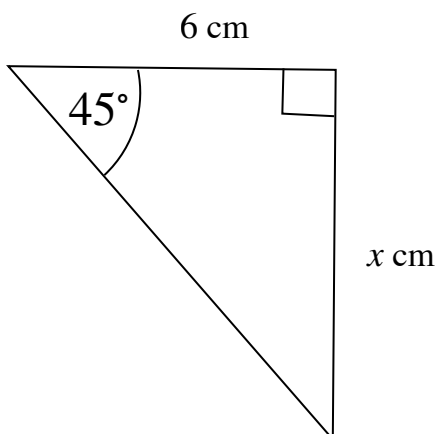
11. Work out the value of  $x$ .



cm

(Total for Question 11 is 2 marks)

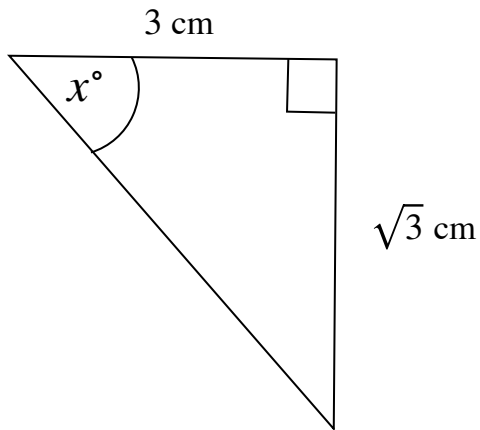
12. Work out the value of  $x$ .



cm

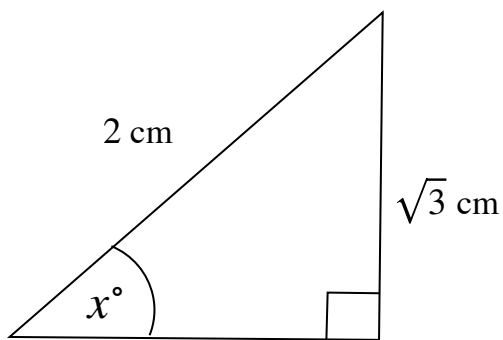
(Total for Question 12 is 2 marks)

13. Work out the size of the angle marked  $x^\circ$ .



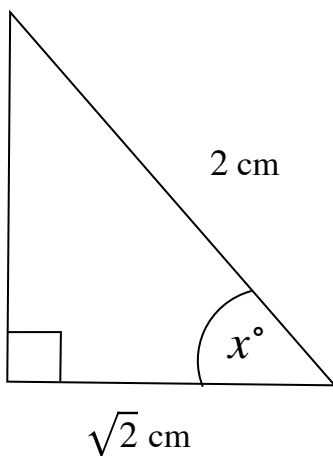
.....  
(Total for Question 13 is 2 marks)

14. Work out the size of the angle marked  $x^\circ$ .



.....  
(Total for Question 14 is 2 marks)

15. Work out the size of the angle marked  $x^\circ$ .



.....  
(Total for Question 15 is 2 marks)