

Name: \_\_\_\_\_

## GCSE (1 – 9)

# Trigonometry Exact Values

### Instructions

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all your working out.**

### 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

1 Write down the exact value of  $\sin(45)$

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

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2 Write down the exact value of  $\cos(90^\circ)$

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

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3 Write down the exact value of  $\tan(30)$

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

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4 Write down the exact value of  $\sin(30^\circ)$

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

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5 Write down the exact value of  $\tan(45)$

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

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6 Write down the exact value of  $\cos(0^\circ)$

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

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7 Write down the exact value of  $\sin(60)$

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

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8 Write down the exact value of  $\sin(0)$

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

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9 Write down the exact value of  $\cos(60^\circ)$

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

---

10 Write down the exact value of  $\tan(0)$

.....  
**(Total for Question 10 is 1 mark)**

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11 Write down the exact value of  $\sin(90^\circ)$

.....  
**(Total for Question 11 is 1 mark)**

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12 Write down the exact value of  $\cos(45^\circ)$

.....  
**(Total for Question 12 is 1 mark)**

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13 Write down the exact value of  $\tan(60^\circ)$

.....  
**(Total for Question 13 is 1 mark)**

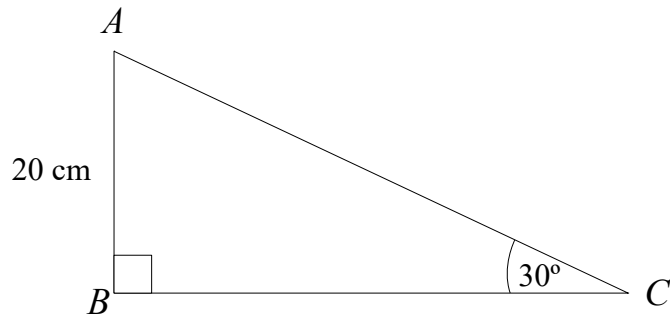
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14 Write down the exact value of  $\cos(30^\circ)$

.....  
**(Total for Question 14 is 1 mark)**

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15

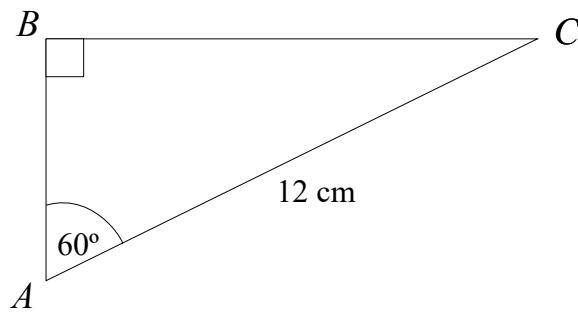


Calculate the length  $AC$ .

.....cm

**(Total for Question 15 is 3 marks)**

16



Calculate the length  $AB$ .

.....cm

**(Total for Question 16 is 3 marks)**