



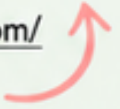
# JP Maths

## Revision



Attempt the paper  
before watching the  
solutions!

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



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## Expanding Double Brackets



### 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. Expand and simplify  $(x + 1)(x + 2)$ .

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

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2. Expand and simplify  $(2x + 3)(x + 4)$

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

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3. Expand and simplify  $(x + 7)(2x + 1)$

.....  
(Total for Question 3 is 2 marks)

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4. Expand and simplify  $(2x + 1)(3x + 2)$

.....  
(Total for Question 4 is 2 marks)

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5. Expand and simplify  $(x - 3)(x + 1)$ .

.....  
(Total for Question 5 is 2 marks)

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6. Expand and simplify  $(2x - 5)(x - 5)$

.....  
(Total for Question 6 is 2 marks)

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7. Expand and simplify  $(x + 4)(x - 4)$

.....  
(Total for Question 7 is 2 marks)

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8. Expand and simplify  $(5x - 3)(2x - 1)$

.....  
(Total for Question 8 is 2 marks)

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9. Expand and simplify  $(x - 1)^2$

.....  
(Total for Question 9 is 2 marks)

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10. Expand and simplify  $(2x + 1)^2$

.....  
(Total for Question 10 is 2 marks)

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11. Expand and simplify  $(4x - 1)(5x - 6)$

.....  
(Total for Question 11 is 2 marks)

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12. Expand and simplify  $(2x - 1)(2x + 1)$

.....  
(Total for Question 12 is 2 marks)

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**13.** Expand and simplify  $(4x + 1)^2$

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

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**14.** Expand and simplify  $(x + 1)(x - 2) + (x + 7)(x - 3)$

.....  
(Total for Question 14 is 3 marks)

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**15.** Expand and simplify  $(x - 1)(2x + 3) - (4x - 1)(x - 3)$

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

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- 16.** A triangle has a base  $(x + 3)$  *cm* and a height  $(9x + 2)$  *cm* .

Form an expression for the area, giving your answer in the form  $ax^2 + bx + c$  where  $a$ ,  $b$  and  $c$  are values to be determined.

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

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