Name:

Exam Style Questions



Expanding Two Brackets

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

- 1. Read each question carefully before you begin answering it.
- 2. Don't spend too long on one question.
- 3. Attempt every question.
- 4. Check your answers seem right.
- 5. Always show your workings

Revision for this topic

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Video 14



1. Expand and simplify
$$(y + 3)(y + 5)$$

2. Expand and simplify (x + 5)(x - 1)

3. Expand and simplify (w - 2)(w - 7)

4. Expand and simplify (x - 10)(x + 3)

5. Expand and simplify
$$(2y + 1)(y + 3)$$

6. Expand and simplify (3x - 2)(2x + 3)

7. Expand and simplify (5y - 1)(y - 2)

8. Expand and simplify (x - 7)2

9. A rectangle is shown below.

The length of the rectangle is x + 9 cm. The width of the rectangle is x - 1 cm.

Form an expression for the area of the rectangle.

10. Expand and simplify
$$(3 + g)(5 - g)$$

11. Expand and simplify
$$(y^2 + y)(y + 3)$$

12. Expand and simplify (x-3)(x+3)

13. Expand and simplify
$$(w+3)(w+4)+(w+2)(w+7)$$

$$(\omega^{2}+4\omega+3w+12)+(\omega^{2}+7w+2w+14)$$

$$(\omega^{2}+7w+12)+(\omega^{2}+9w+14)$$

$$=2\omega^{2}+16w+26$$
(3)

14. Expand and simplify
$$(3y-5)(y+4)-(y-3)(y-5)$$

$$(3y^2+12y^2-5y-20)-(y^2-5y-3y+15)$$

$$(3y^2+7y^2-20)-(y^2-8y+15)$$

$$3y^2+7y^2-20-y^2+8y-15$$

$$2y^2+15y-35$$
(3)