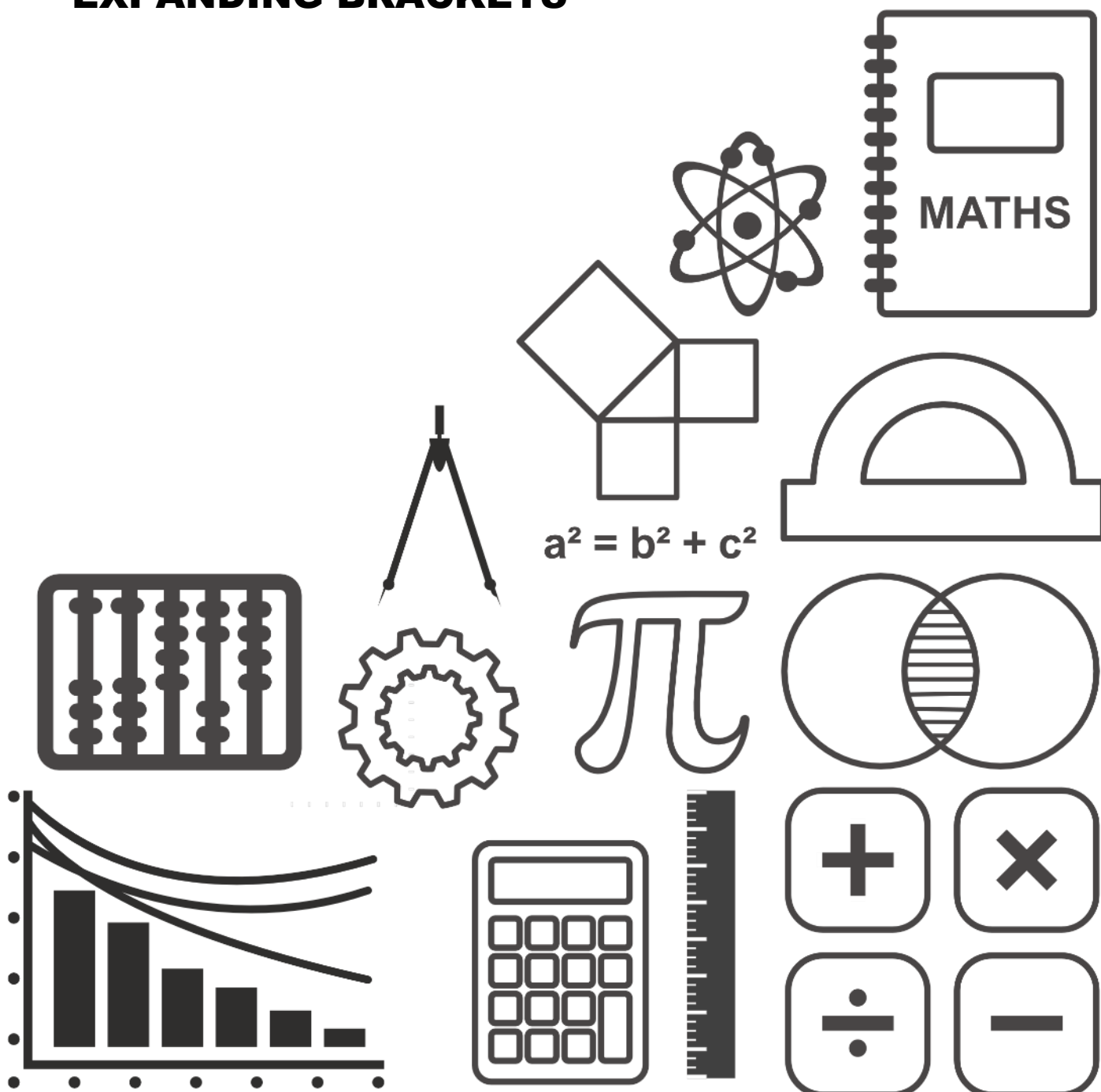


MATHSDIY

GCSE TOPIC BOOKLET EXPANDING BRACKETS



1. Expand the following expression, simplifying your answer as far as possible.

$$(x - 3)(x - 4)$$

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.....

(2)

2. Expand the following expression, simplifying your answer as far as possible.

$$(x + 7)(x - 3)$$

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.....
.....

(2)

3. Expand and simplify

$$(x + 5)(x - 6).$$

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.....
.....

(2)

4. Expand the following expression, simplifying your answer as far as possible.

$$(x - 4)(x + 7)$$

.....
.....
.....

(2)

5. Expand the following expression, simplifying your answer as far as possible.

$$(3x - 1)(5x + 2)$$

.....

(3)

6. Expand the following expression, simplifying your answer as far as possible.

$$(4x - 2)(3x + 2)$$

.....

(3)

7. Expand the following expression, simplifying your answer as far as possible.

$$(3x - 4)(2x + 3)$$

.....

(3)

8. Expand

$$(x - 3)^2.$$

.....
.....
.....
.....

(2)

9. Expand and simplify

$$(2x + 7)(3x - 1).$$

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.....
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(3)

10. Simplify

$$(3x + 7y)(2x - 5y) + xy.$$

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(3)

11. Show that

$$(4x - 1)(6x + 5) - (8x - 1)(3x + 5) \text{ is identical to } -23x.$$

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(4)