



New Maths GCSE: A4 - Simplifying Expressions

Name:.....

Date:.....

$5a + 2b$

What does this simplify to?

A $10ab$ **B** $7ab$

C $7 + ab$ **D** None of the above

Correct Answer: A B C D

Explanation:

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$4g + 2g$

What does this simplify to?

A $8g$ **B** $6g$

C $6g^2$ **D** None of the above

Correct Answer: A B C D

Explanation:

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$3m + 2n - m$

What does this simplify to?

A $2m + 2n$ **B** $3 + 2n$

C $4m + 2n$ **D** None of the above

Correct Answer: A B C D

Explanation:

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$$6g - 2h + h$$

What does this simplify to?

- A** $4gh^2$ **B** $6g + 3h$
C $6g - 3h$ **D** None of the above

Correct Answer: A B C D

Explanation:

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$$2d^2 + 3d$$

What does this simplify to?

- A** $6d^3$ **B** $5 + d^3$
C $5d^3$ **D** None of the above

Correct Answer: A B C D

Explanation:

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Simplify $5x - 5$

- x 4x 5 5x - 5

- A** **B** **C** **D**

Correct Answer: A B C D

Explanation:

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Simplify $3x + 4y + 5x - 6y$

- $8x + 10y$ $8x - 2y$ $-2x - 2y$ $8x + 2y$

- A** **B** **C** **D**

Correct Answer: A B C D

Explanation:

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Simplify $5p - 4s - 3p - 2s$

$2p + 6s$ $2p - 6s$ $-4ps$ $4ps$

A **B** **C** **D**

Correct Answer: A B C D

Explanation:

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Here is an isosceles triangle. Which of the following is an expression, in terms of a and b, for the perimeter of the triangle?



$3a$ $4a + b$ $4a$ $4a + 3b$

A **B** **C** **D**

Correct Answer: A B C D

Explanation:

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Simplify the following, by collecting like terms

$2x + 3y - 3x + x - 2y$

A) $6x + 5y$ B) $x - y$ C) $x + y$ D) y

Correct Answer: A B C D

Explanation:

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Simplify $a + a$

A aa

B a^2

C $2a$

D a^2

Correct Answer: A B C D

Explanation:

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Simplify $2x + 5x$

- A $10x$
- B $7x$
- C $2x5x$
- D $10x^2$

Correct Answer: A B C D

Explanation:

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