New Maths GCSE: A4 - Factorising Quadratics

Name:..... Date:.....

If you factorise $x^2 - 4x - 12$ you get:

a) (x + 6)(x + 2)

b) (x – 6)(x – 2)

c) (x – 6)(x + 2)

d) (x + 6)(x – 2)

Correct Answer: A B C D

Explanation:

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Factorise the following quadratic expression:

$x^2 + 10x - 24$

a) (x - 4)(x - 6) b) (x + 6)(x - 4)

c) (x + 12)(x - 2) d) (x - 12)(x + 2)

Correct Answer: A B C D

Explanation:

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$x^2 + 3x - 10$

Which is a correct factorisation of the quadratic expression?

A) $(x + 5)(x + 2)$

B) $(x - 5)(x + 2)$

C) $(x + 5)(x - 2)$

D) $(x - 5)(x - 2)$

Correct Answer: A B C D

Explanation:

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$x^2 + x - 20$

Which is a correct factorisation of the quadratic expression?

A) $(x-5)(x-4)$

B) $(x+5)(x-4)$

C) $(x-5)(x+4)$

D) $(x+5)(x+4)$

Correct Answer: A B C D

Explanation:

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$x^2 - 2x - 15$

Which is a correct factorisation of the quadratic expression?

A) $(x-5)(x+3)$

B) $(x+5)(x-3)$

C) $(x-5)(x-3)$

D) $(x+5)(x+3)$

Correct Answer: A B C D

Explanation:

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$x^2 - 2x - 8$

Which is a correct factorisation of the quadratic expression?

A) $(x-4)(x-2)$

B) $(x+4)(x+2)$

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

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

Correct Answer: A B C D

Explanation:

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Factorise $x^2 + 8x + 12$

a) (x+8)(x+12)

b) (x+2)(x+6)

c) (x+4)(x+4)

d) (x+3)(x+4)

Correct Answer: A B C D

Explanation:

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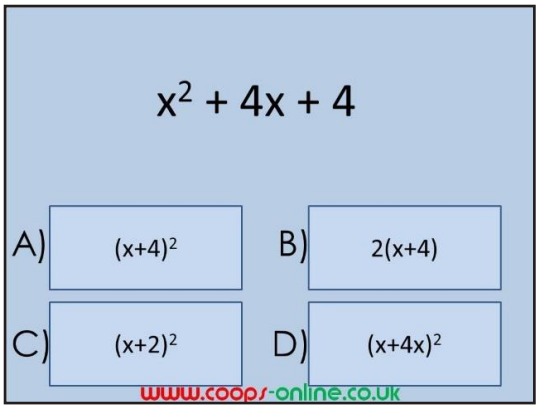

Correct Answer: A B C D

Explanation:

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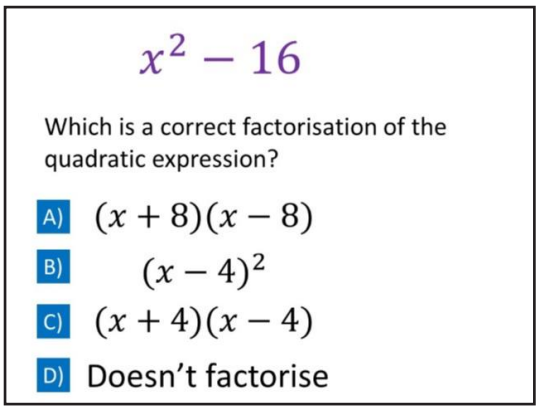

Correct Answer: A B C D

Explanation:

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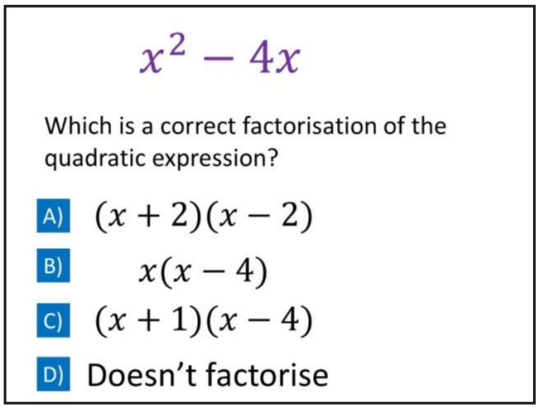

Correct Answer: A B C D

Explanation:

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