



# New Maths GCSE: A4 - Expanding Double Brackets

Name:.....

Date:.....

**Expanding Double Brackets**  
**Expand  $(x + 4)(x + 3)$**

A) $x^2 + 12$	B) $x^2 + 7x + 7$
C) $x^2 + 7$	D) $x^2 + 7x + 12$

Correct Answer: A B C D

Explanation:

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**Expanding Double Brackets**  
**Expand  $(x - 2)(x + 5)$**

A) $x^2 + 3x + 3$	B) $x^2 - 3x + 10$
C) $x^2 + 3x - 10$	D) $x^2 + 7x + 3$

Correct Answer: A B C D

Explanation:

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**Expanding Double Brackets**  
**Expand  $(x - 4)(x - 3)$**

A) $x^2 + 7x + 12$	B) $x^2 - 7x + 12$
C) $x^2 + 7x + 7$	D) $x^2 + 7x - 7$

Correct Answer: A B C D

Explanation:

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Which shows an equation matching  $(n + 3)^2$ ? Explain why.

A:  $(n + 3)^2 = n^2 + 3^2 = n^2 + 9$   
 B:  $(n + 3)^2 = n^2 + 6n + 9$   
 C:  $(n + 3)^2 = 2n + 6$   
 D:  $(n + 3)^2 = n + 6$

Correct Answer: A B C D

Explanation:

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Expand and Simplify  $(y + 2)(y - 2)$

A)  $y^2 + 2y - 2y - 4$   
 B)  $y^2 - 4$   
 C)  $y^2 - 4y - 4$   
 D)  $y^2 + 4y - 4$

Correct Answer: A B C D

Explanation:

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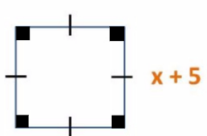
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What is the area of the following shape?



a)  $x^2 + 25$                       c)  $4x + 20$   
 b)  $x^2 + 10x + 25$             d) not enough info

Correct Answer: A B C D

Explanation:

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Which is the correct expansion of:

$(x - 7)^2$

A  $x^2 - 49$                       B  $x^2 + 49$   
 C  $x^2 - 14x - 49$             D  $x^2 - 14x + 49$

Correct Answer: A B C D

Explanation:

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Expand  $(2x + 2)(x + 1)$

a:  $2x^2 + 3x + 3$       b:  $2x^2 + 4x + 3$

c:  $2x^2 + 5x + 2$       d:  $2x^2 + 4x + 2$

Correct Answer: A B C D

Explanation:

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

(A)  $9x^2 + 6x - 4$

(B)  $9x^2 - 4$

(C)  $9x^2 + 4$

(D)  $9x^2 - 6x + 4$

Correct Answer: A B C D

Explanation:

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The expression  $(3x - 2)(x + 1) =$

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

(B)  $3x^2 - x + 2$

(C)  $3x^2 + x - 2$

(D)  $3x^2 + x + 2$

Correct Answer: A B C D

Explanation:

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