

New Maths GCSE: A4 - Higher Factorising Quadratics

Name:	Date:
$x^2 + 7x + 12$	Correct Answer: A B C D
X /X 12	Explanation:
Which is a correct factorisation of the quadratic expression?	
(x+6)(x+2)	
(x+5)(x+2)	
(x+4)(x+3)	
(x+6)(x+1)	
	•
$x^2 + 6x + 9$	Correct Answer: A B C D
	Explanation:
Which is a correct factorisation of the	
quadratic expression?	
(x+3)(x+3)	
B) $(x+4)(x+2)$	
(x+3)	
(x+3)(x-3)	
$x^2 + 3x - 10$	Correct Answer: A B C D
	Explanation:
Which is a correct factorisation of the quadratic expression?	
(x + 5)(x + 2)	
B) $(x-5)(x+2)$	

(x+5)(x-2)

(x-5)(x-2)

$$x^2 - 16$$

Which is a correct factorisation of the quadratic expression?

A)
$$(x+8)(x-8)$$

$$(x-4)^2$$

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

Correct Answer: A B C D

$$x^{2} - 4x$$

Which is a correct factorisation of the quadratic expression?

A)
$$(x+2)(x-2)$$

$$x(x-4)$$

$$(x+1)(x-4)$$

$$x^2 - 2x - 8$$

Which is a correct factorisation of the quadratic expression?

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

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

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

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

$$x^2 - 7x + 10$$

Which is a correct factorisation of the quadratic expression?

A)
$$(x-5)(x-2)$$

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

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

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

Correct Answer: A B C D	
Explanation:	

$$2x^2 + 11x + 5$$

Which is a correct factorisation of the quadratic expression?

A)
$$(2x+5)(2x+1)$$

B)
$$(2x+5)(x+1)$$

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

$$(2x+6)(x+5)$$

Correct Answer: A B C D

$$3x^2 + 17x - 6$$

Which is a correct factorisation of the quadratic expression?

A)
$$(3x+6)(x-1)$$

B)
$$(3x+1)(x-6)$$

$$(3x-6)(x+1)$$

$$(3x-1)(x+6)$$

Correct Answer: A B C D
Explanation:

$$16x^2 - 9$$

Which is a correct factorisation of the quadratic expression?

A)
$$(8x+3)(2x-3)$$

$$(8x+3)(8x-3)$$

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

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

Correct Answer: A B C D
Explanation: