

New Maths GCSE: A18 - Solving quadratic equations by factorising

Name:	Date:
$(x+5)(x-2) = 0$ What is the solution to the equation above? A $x = 5$, $x = -2$ B $x^2 + 3x - 10$ C $x = -5$, $x = 2$ D $x = -10$	Correct Answer: A B C D Explanation:
$(x-6)(x+1) = 0$ What is the solution to the equation above? A $x = -6$ B $x = -6$, $x = 1$ C $x^2 - 5x - 6$ D $x = 6$, $x = -1$	Correct Answer: A B C D Explanation:
(x-2)(x-3) = 0 What is the solution to the equation above? $x = -2, x = -3$ $x = 6$	Correct Answer: A B C D Explanation:

(x+1)(x+7) = 0

What is the solution to the equation above?

$$x = 7$$

B
$$x = -1$$
, $x = -7$

$$x^2 + 8x + 7$$

$$x = 1, x = 7$$



What is the solution to the equation above?

$$x = -5$$

$$x = 5$$

$$x = 25$$

$$x = -5 \text{ or } 5$$

What is the solution to the equation above?

 $(x-3)^2=0$

$$x = -3 \text{ or } 3$$
 B $x = 9$

$$x = 9$$

$$x = 3$$

$$x = -3$$

$$2(x+1)(x-5) = 0$$

What is the solution to the equation above?

$$x = -1$$
, $x = 5$ $x = 2$, $x = -10$

$$x = 1, x = -5$$
 $x = -2, x = 10$

Correct Answer: A B	C	D
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Explanation:

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Explanation:

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Correct Answer: A B C D

Explanation:

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Correct Answer: A B C D

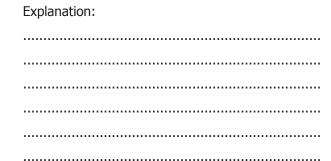
Explanation:

3(x-4)(x+1) = 0

What is the solution to the equation above?

$$x = -4$$
, $x = 1$ $x = -8$, $x = 2$

$$x = 4$$
, $x = -1$ $x = 8$, $x = -2$

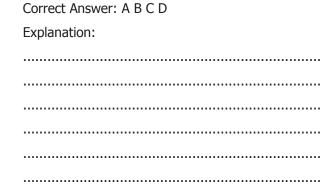


Correct Answer: A B C D



What is the solution to the equation above?

- x = 3, -3
- x = 81
- x = 4.5
- D x = 3

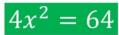


$$x^2 = 16$$

What is the solution to the equation above?

- x = 8
- x = 4
- x = 4,-4
- x = 256

Correct Answer: A B C D
Explanation:



What is the solution to the equation above?

- x = 2, -2
- x=2
- x = 4,-4
- $D \quad x = 4$

Correct Answer: A B C D	
Explanation:	

χ^2	=	-4
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What is the solution to the equation above?

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В	\boldsymbol{x}	=	1	6

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	x =	_ /

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Correct Answer: A B C D	
Explanation:	