

The Quadratic Formula





CHECK YOU'R **ANSWERS**



1	Solve $3x^2 + 6x + 2 = 0$	
	Give your answers correct to 2 decimal places.	[3 marks
	Answer	
0		
2	Solve $5x^2 + 2x - 4 = 0$ Give your answers correct to 3 significant figures.	[3 marks]
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2		[3 mark





3	Solve $2x^2 + 2x - 6 = 0$ Give your answers correct to 2 decimal places.	[3 marks]
	Answer	
4	Solve $6x^2 - 3x - 4 = 0$ Give your answers correct to 3 significant figures.	[3 marks]
	Answer	
5	Solve $3x^2 - 6x - 1 = 0$ Give your answers correct to 3 significant figures.	[3 marks]
	Answer	





6	Solve $2x + 4 - 3x^2 = 0$ Give your answers correct to 3 decimal places.	[3 marks]
	Answer	
7	Solve $4x^2 + 5x - 2 = 6x$ Give your answers correct to 3 decimal places.	[4 marks]
	Answer	
8	Solve $5x^2 - 5x + 5 = 11 - 10x$ Give your answers correct to 2 decimal places.	[4 marks]



Solutions

Turn over ▶

Answer



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Solve $x^2 + 10x + 15 = 0$



Give your answers in the form $a \pm \sqrt{b}$ where a and b are integers. [4 marks]

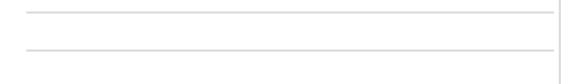
Answer

10

Solve $x^2 + 6x + 1 = 0$



Give your answers in the form $a \pm b\sqrt{2}$ where a and b are integers. [4 marks]



Answer

11

Solve $x^2 - 14x + 4 = 0$

Answer_



Give your answers in the form $a \pm b\sqrt{5}$ where a and b are integers. [4 marks]

