



SCAN ME

## The Quadratic Formula



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ANSWERS



SCAN ME

1 Solve  $3x^2 + 6x + 2 = 0$   
Give your answers correct to 2 decimal places.

.....  
**(Total for Question 1 is 3 marks)**

2 Solve  $5x^2 + 2x - 4 = 0$   
Give your answers correct to 3 significant figures.

.....  
**(Total for Question 2 is 3 marks)**



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3 Solve  $2x^2 + 2x - 6 = 0$

Give your answers correct to 2 decimal places.

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**(Total for Question 3 is 3 marks)**

4 Solve  $6x^2 - 3x - 4 = 0$

Give your answers correct to 3 significant figures.

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**(Total for Question 4 is 3 marks)**

5 Solve  $3x^2 - 6x - 1 = 0$

Give your answers correct to 3 significant figures.

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**(Total for Question 5 is 3 marks)**



6 Solve  $2x + 4 - 3x^2 = 0$

Give your answers correct to 3 decimal places.

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**(Total for Question 6 is 3 marks)**

7 Solve  $4x^2 + 5x - 2 = 6x$

Give your answers correct to 3 decimal places.

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**(Total for Question 7 is 4 marks)**

8 Solve  $5x^2 - 5x + 5 = 11 - 10x$

Give your answers correct to 2 decimal places.

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**(Total for Question 8 is 4 marks)**



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

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



.....  
**(Total for Question 9 is 4 marks)**

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

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



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**(Total for Question 10 is 4 marks)**

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

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



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**(Total for Question 11 is 4 marks)**

