



The Quadratic Formula

REVISE THIS TOPIC



CHECK YOUR ANSWERS

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

Answer

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

Answer



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]

Answer _____

17



Turn over ►





9 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 $x^2 - 14x + 4 = 0$
Give your answers in the form $a \pm b\sqrt{5}$ where a and b are integers. [4 marks]



Answer _____

12

