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)

1

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

Give your answers correct to 2 decimal places.

....

(Total for Question 3 is 3 marks)

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

Give your answers correct to 3 significant figures.

....

(Total for Question 4 is 3 marks)

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

Give your answers correct to 3 significant figures.

....

(Total for Question 5 is 3 marks)

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

Give your answers correct to 3 decimal places.

....

(Total for Question 6 is 3 marks)

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

Give your answers correct to 3 decimal places.

....

(Total for Question 7 is 4 marks)

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

Give your answers correct to 2 decimal places.

....

(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.

....

(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.

....

(Total for Question 11 is 4 marks)

Solutions