

Quadratic Equations

Difficulty: Easy

Question Paper 1

Level	IGCSE
Subject	Maths (0580/0980)
Exam Board	CIE
Topic	Algebra and graphs
Sub-Topic	Quadratic Equations
Paper	Paper 2
Difficulty	Easy
Booklet	Question Paper 1

Time allowed: 30 minutes

Score: /23

Percentage: /100

Grade Boundaries:

CIE IGCSE Maths (0580)

A*	A	B	C	D	E
>88%	76%	63%	51%	40%	30%

CIE IGCSE Maths (0980)

9	8	7	6	5	4	3
>94%	85%	77%	67%	57%	47%	35%

Question 1

Solve the equation $5x^2 + 10x + 2 = 0$.

You must show all your working and give your answers correct to 2 decimal places.

[4]

Question 2

Solve the equation $2x^2 + 3x - 3 = 0$.

Show all your working and give your answers correct to 2 decimal places.

[4]

Question 3

Solve $(x - 7)(x + 4) = 0$.

[1]

Question 4

(a) Factorise $3x^2 + 2x - 8$.

[2]

(b) Solve the equation $3x^2 + 2x - 8 = 0$.

[1]

Question 5

The solutions of the equation $x^2 - 6x + d = 0$ are both integers.

d is a prime number.

Find d .

[3]

Question 6

Solve the equation $2x^2 + 3x - 6 = 0$.

Show all your working and give your answers correct to 2 decimal places.

[4]

Question 7

Solve the equation.

$$x^2 - 8x + 6 = 0$$

Show all your working and give your answers correct to 2 decimal places.

[4]