

Linear Equations

Question Paper

Course	Edexcel IGCSE Maths
Section	2. Equations, Formulae & Identities
Topic	Linear Equations
Difficulty	Easy

Time allowed: 40
Score: /31
Percentage: /100

Question 1a

Solve $3(x-2) = x+7$

[3 marks]

Question 1b

Solve $\frac{2-y}{5} = 1$

[2 marks]

Question 2a

Simplify $5x + 4y + x - 7y$

[2 marks]

Question 2b

Solve $7(x+2) = 7$

[2 marks]

Question 3a

$$x = 3$$

Work out the value of $4x^2$

[1 mark]

Question 3b

Solve $5x + 4 = 14 + x$

[2 marks]

Question 4

Solve $4(x + 3) = 2x + 8$

[3 marks]

Question 5

Solve $5x - 6 = 3(x - 1)$

[3 marks]

Question 6

Steve is asked to solve the equation $5(x + 2) = 47$

Here is his working.

$$\begin{aligned}5(x + 2) &= 47 \\5x + 2 &= 47 \\5x &= 45 \\x &= 9\end{aligned}$$

Steve's answer is wrong.

What mistake did he make?

[1 mark]

Question 7

Solve $5(4 - x) = 7 - 3x$

Show clear algebraic working.

$x = \dots\dots\dots$

[3 marks]

Question 8

Solve $y = \frac{2y + 1}{5}$

Show clear algebraic working.

$y =$

[3 marks]

Question 9

Solve $4x - 13 = 17 + 8x$

$x = \dots\dots\dots$

[2 marks]

Question 10

Solve $5(x + 3) = 3x - 4$

Show clear algebraic working.

$x = \dots\dots\dots$

[2 marks]

Question 11

Solve $10x = 62.4 - 3x$

[2 marks]