

Linear Equations

Question Paper

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

Time allowed: 50
Score: /37
Percentage: /100

Question 1

Solve $\frac{4x - 1}{5} + \frac{x + 4}{2} = 3$

[3 marks]

Question 2

Solve $\frac{x + 1}{3} + \frac{2x + 5}{4} = 2$

[4 marks]

Question 3

Solve $\frac{x + 2}{3x} + \frac{x - 2}{2x} = 3$

[3 marks]

Question 4a

Solve $5(f-3) = f + 10$

[3 marks]

Question 4b

Solve $\frac{h+7}{3} + \frac{2h-1}{2} = \frac{5}{6}$

[4 marks]

Question 5

Solve $\frac{3x-2}{4} - \frac{2x+5}{3} = \frac{1-x}{6}$

[4 marks]

Question 6

Solve $\frac{9a-7}{5} - \frac{3a-7}{4} = 4.55$

Show clear algebraic working.

a =

[3 marks]

Question 7

Solve $(2x + 5)^2 = (2x + 3)(2x - 1)$

x =

[3 marks]

Question 8

Solve $\frac{8-2x}{3} - \frac{2x-3}{2} = 4$

Show clear algebraic working.

$x =$

[3 marks]

Question 9

The functions f and g are defined as

$$f(x) = x^2 + 6$$

$$g(x) = x - 10$$

Solve the equation $fg(x) = f(x)$

Show clear algebraic working.

[3 marks]

Question 10

Solve the equation.

$$3(x-4) + \frac{x+2}{5} = 6$$

$x = \dots\dots\dots$

[4 marks]