

Non-Calculator Questions

Linear Equations & Inequalities

Solving Linear Equations / Solving Linear Inequalities

Easy (3 questions)	/6
Medium (4 questions)	/8
Hard (5 questions)	/11
Total Marks	/25

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Easy Questions

- 1 Find the integer values that satisfy the inequality $2 < 2x \leq 10$.

(2 marks)

- 2 Solve.

$$7m - 2 \geq 19$$

(2 marks)

- 3 Solve

$$3w - 7 = 32$$

$w = \dots\dots\dots$

(2 marks)

Medium Questions

1 Solve the equation.

$$6 - 2x = 3x$$

$x =$

(2 marks)

2 Solve the equation $\frac{1-x}{3} = 5$.

$x =$

(2 marks)

3 Solve the inequality $n + 7 < 5n - 8$.

(2 marks)

4 Solve $5x - 17 = 7x + 3$.

$x =$

(2 marks)

Hard Questions

1 Solve.

$$\frac{2}{x} = \frac{6}{2-x}$$

$x =$

(3 marks)

2 Solve.

$$\frac{15}{x} = -3$$

$x =$

(1 mark)

3 Solve the inequality $3m + 12 \leq 8m - 5$.

(2 marks)

4 Solve the inequality $3(x - 2) < 7(x + 2)$.

(3 marks)

5 Solve.

$$\frac{1-p}{3} = 4$$

$p =$

(2 marks)