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GCSE Exam Questions

Equations | Algebra

GCSE Exam Questions: Equations

1) Solve $4x - 5 = 14$.

(2 marks)

2) Solve the simultaneous equations:

$$4x + y = 2$$

$$x - y = 8$$

(4 marks)

3) Solve: $x^2 - 4x - 32 = 0$

(3 marks)

4) Rearrange the equation to make x the subject:

$$y = 5x + 7$$

(2 marks)

GCSE Exam Questions: Equations Answers

	Question	Answer	Marks
1)	Solve $4x - 5 = 14$.	$4x = 19$ $x = 4\frac{3}{4}$	(1) (1)
2)	Solve the simultaneous equations: $4x + y = 2$ $x - y = 8$	$4x + x = 2 + 8$ $5x = 10$ $x = 2$ $4(2) + y = 2$ $8 + y = 2$ $y = -6$	(1) (1) (1) (1)
3)	Solve: $x^2 - 4x - 32 = 0$	$(x - 8)(x + 4)$ $(x - 8)(x + 4) = 0$ $x = 8$ or $x = -4$	(1) (1) (1)
4)	Rearrange the equation to make x the subject: $y = 5x + 7$	$y - 7 = 5x$ $x = \frac{y - 7}{5}$	(1) (1)

Where to go next?

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