Name Class



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Change the subject

(9-1) Topic booklet

HIGHER

These questions have been collated from previous years GCSE Mathematics papers.

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser.

Total Marks

Instructions

- •Use black ink or ball-point pen.
- •Fill in the boxes at the top of this page with your name, centre number and candidate number.
- •Answer all questions.
- Answer the questions in the spaces provided
- there may be more space than you need.
- •Diagrams are NOT accurately drawn, unless otherwise indicated.
- You must show all your working out.
- •If the question is a **1F** question you are not allowed to use a calculator.
- •If the question is a **2F** or a **3F** question, you may use a calculator to help you answer.

Information

- •The marks for **each** question are shown in brackets
- use this as a guide as to how much time to spend on each question.

Advice

- •Read each question carefully before you start to answer it.
- •Keep an eye on the time.
- •Try to answer every question.
- •Check your answers if you have time at the end.

Answer ALL questions Write your answers in the space provided. You must write down all the stages in your working.

	You must write down all the stages in yo
1	Make <i>a</i> the subject of the formula $p = 3a - 9$

November 2022 – Paper 3H

(Total for Question 1 is 2 marks)

1 Make t the subject of the formula w = 3t + 11

Specimen 1 – Paper 2H

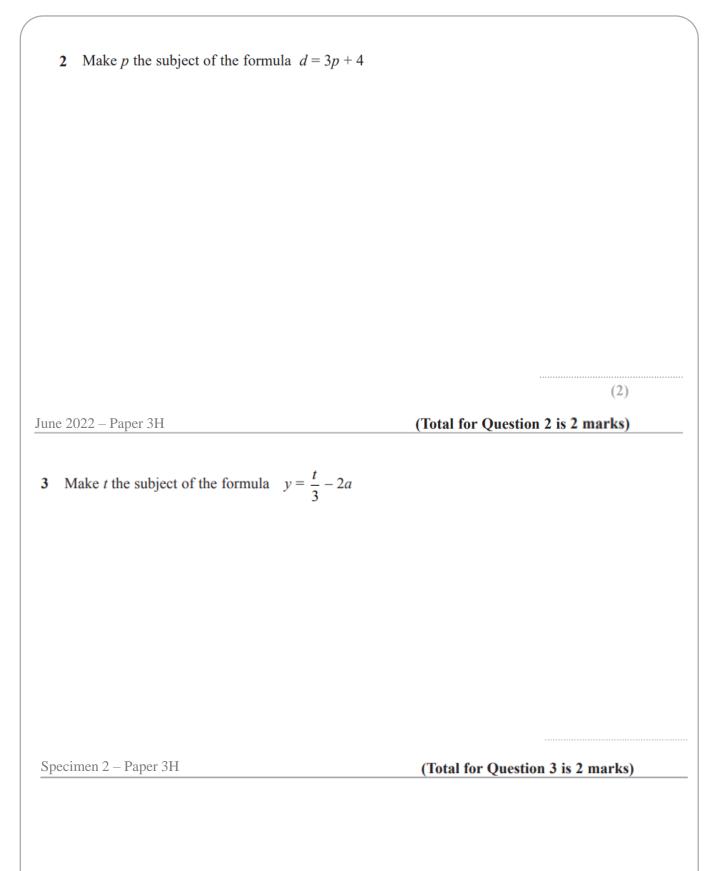
(Total for Question 1 is 2 marks)

2 Make s the subject of $v^2 = u^2 + 2as$

(2)

November 2018 – Paper 1H

(Total for Question 2 is 2 marks)



10 Make k the subject of the formula $y = \sqrt{2m - k}$					
November 2019 – Paper 2H	(Total for Question 10 is 2 marks)				

12				k^3	+	+ 1
13	m	=	1		$\frac{-}{4}$	

Make k the subject of the formula.

Specimen 1 – Paper 1H

(Total for Question 13 is 3 marks)

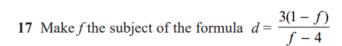
Make v the subject of the formula $w = \frac{15(t - 2v)}{v}$

(3)

June 2017 – Paper 3H

(Total for Question 14 is 3 marks)

15 Make <i>m</i> the subject of the formula $f = \frac{3n}{n}$	$\frac{m+4}{n-1}$
une 2019 – Paper 2H	(Total for Question 15 is 3 marks)
	3 marks)



November 2020 – Paper 1H

(Total for Question 17 is 4 marks)

17 Make a the subject of
$$a+3=\frac{2a+7}{r}$$

Sample 1 – Paper 1H

(Total for Question 17 is 3 marks)