Name: \_\_\_\_\_

GCSE (1 - 9)

## Expanding and Factorising Quadratics

## Instructions

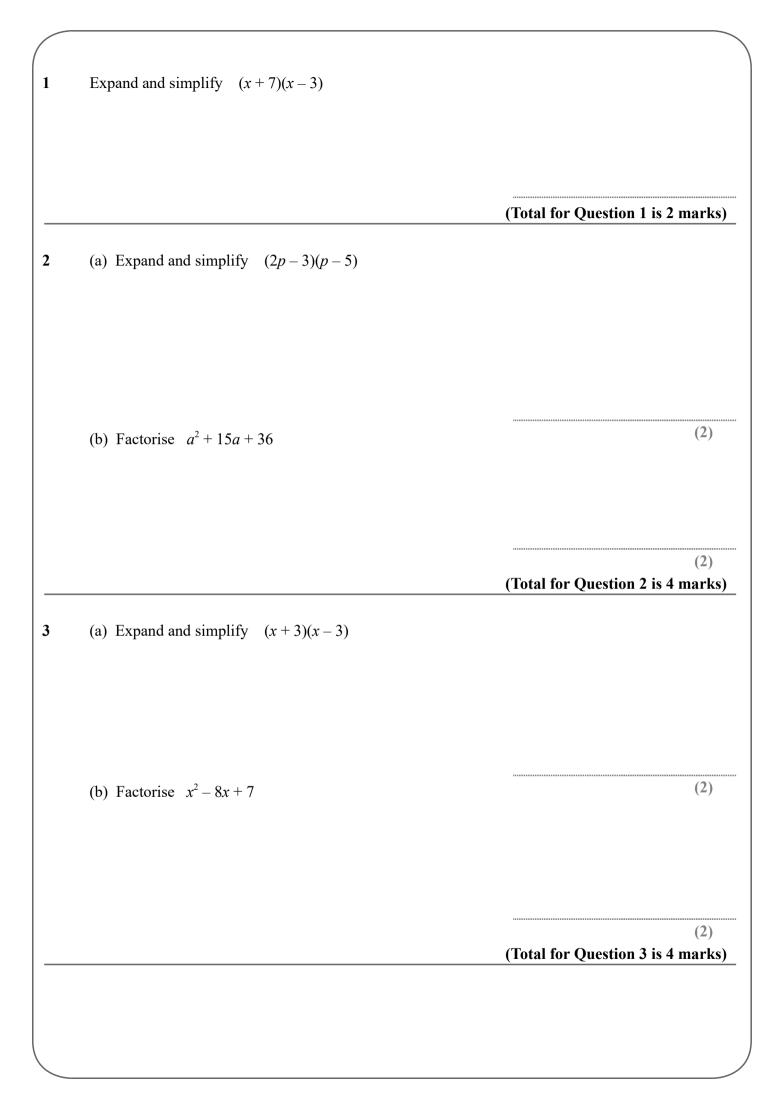
- Use black ink or ball-point pen.
- Answer all Questions.
- Answer the Questions in the spaces provided
- there may be more space than you need.
- Diagrams are NOT accurately drawn, unless otherwise indicated.
- You must show all your working out.

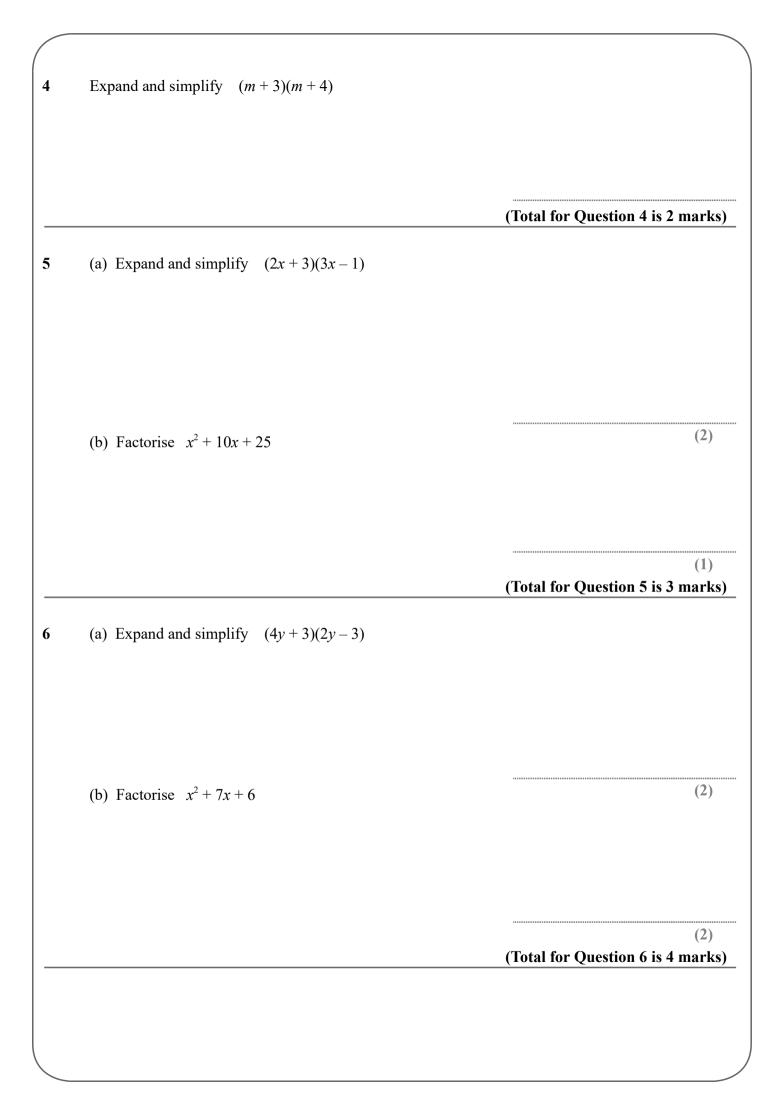
## Information

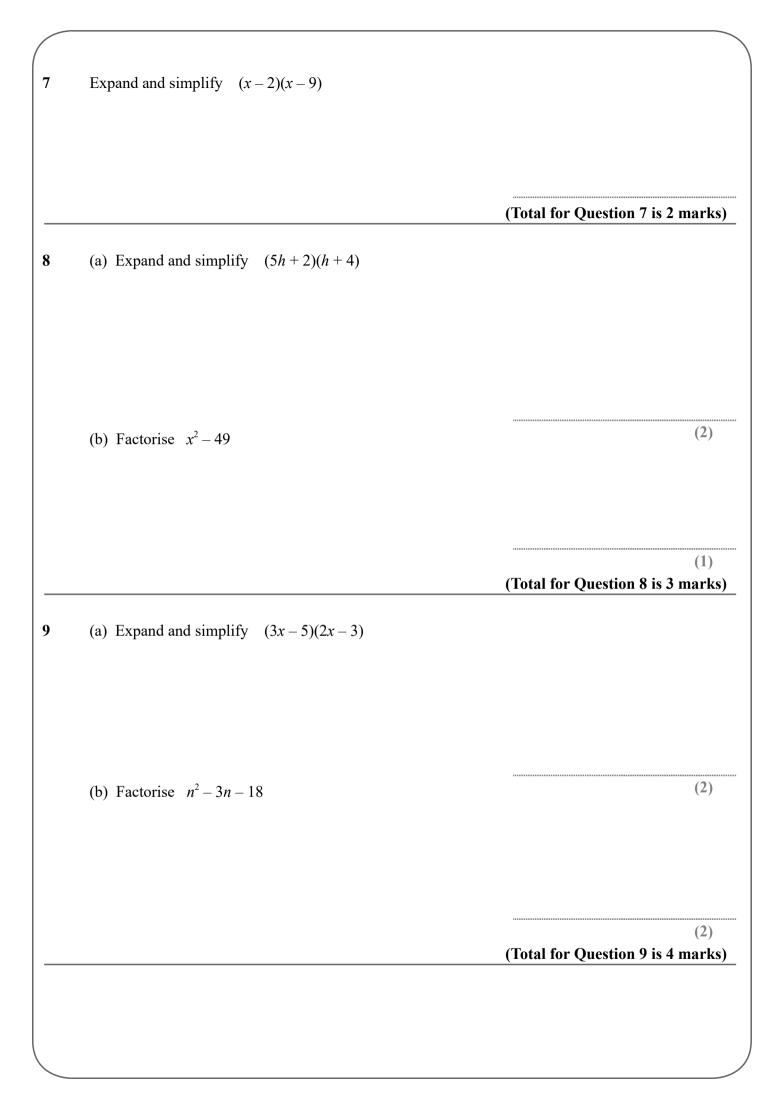
- The marks for each Question are shown in brackets
- use this as a guide as to how much time to spend on each Question.

## **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







.0	Expand and simplify $(x+6)(3x+8)$	
		(Total for Organian 10 is 2 marks
 [	(a) Expand and simulify (v. 6)(v. 7)	(Total for Question 10 is 2 marks
L	(a) Expand and simplify $(x-6)(x-7)$	
	(b) Factorise $x^2 - 16$	(2)
	(b) Factorise $x = 10$	
		(1) (Total for Question 11 is 3 marks
,	(a) Expand and simplify $(2x+1)(5x-9)$	
	(b) Factorise $x^2 - 13x + 36$	(2)
		(2)
		(Total for Question 12 is 4 marks

Expand and simplify $(a-7)^2$	
	(Total for Question 13 is 2 marks
(a) Expand and simplify $(2x-1)(x+4)$	
(b) Factorise $x^2 - 100$	(2)
	(1)
	(Total for Question 14 is 3 marks
(a) Expand and simplify $(3d-2)(d+7)$	
(b) Factorise $x^2 - 3x - 40$	(2)
	(2) (Total for Question 15 is 4 marks
	(a) Expand and simplify $(2x-1)(x+4)$ (b) Factorise $x^2 - 100$ (a) Expand and simplify $(3d-2)(d+7)$

