Name:

**Exam Style Questions** 



Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

## Guidance

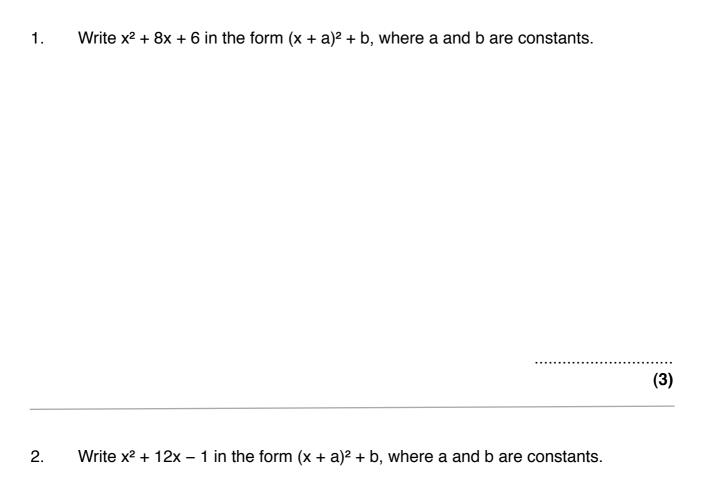
- 1. Read each question carefully before you begin answering it.
- 2. Don't spend too long on one question.
- 3. Attempt every question.
- 4. Check your answers seem right.
- 5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 10



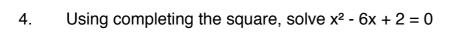


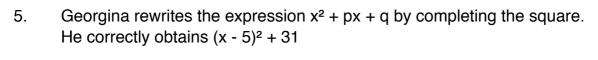
(3)

3.	$v^2 - 6v - 3 = 6$	$(v - a)^2 - h$	where a and	b are constants
<b>J</b> .	A - UA - U = 1	(x - a) - b,	wilete a allu	b are constants

(a) Find the values of a and b.

(b) Hence solve  $x^2 - 6x - 3 = 0$ 





Work out the values of p and q.

6. Write  $x^2 - 3x + 7$  in the form  $(x + a)^2 + b$ 

7.	Express $3x^2 + 18x - 1$ in the form $a(x + b)^2 + c$	
		(3)
		 (3)

(4)

9.	Use completing the square to find the minimum point of the curve $y = x^2 + 4x + 7$
	(4)