

## Q1. (2018)

- 27 (a) Jo wants to work out the solutions of  $x^2 + 3x - 5 = 0$

She says,

"The solutions **cannot** be worked out because  
 $x^2 + 3x - 5$  does **not** factorise to  $(x + a)(x + b)$  where  $a$  and  $b$  are integers."

Is Jo correct?

Tick a box.

☐

Yes

☐

No

Give a reason for your answer.

[1 mark]

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## Q2. (2018)

- 27 (b) **Without** expanding any brackets,

show how to work out the **exact** solutions of  $9(x + 3)^2 = 4$

Give the solutions.

[3 marks]