Factorising Quadratics \((a = 1)\)

Please write clearly in block capitals

<table>
<thead>
<tr>
<th>Forename:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Surname:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Materials**

For this paper you must have:

- mathematical instruments

You must *not* use a calculator.

**Instructions**

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

**Information**

- The marks for questions are shown in brackets.
- You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

**Advice**

- In all calculations, show clearly how you work out your answer.
1 Factorise the following quadratics: (Level 5)

1(a) \(x^2 + 14x + 48\) [2 marks]

Answer

1(b) \(x^2 + 13x + 42\) [2 marks]

Answer

1(c) \(x^2 + 10x + 16\) [2 marks]

Answer

1(d) \(x^2 + 8x + 7\) [2 marks]

Answer

1(e) \(x^2 + 12x + 32\) [2 marks]

Answer

Turn over for next question
Factorise the following quadratics:

2(a) \(x^2 - 10x + 24\)

[2 marks]

Answer

2(b) \(x^2 - 11x + 28\)

[2 marks]

Answer

2(c) \(x^2 - 11x + 30\)

[2 marks]

Answer

2(d) \(x^2 - 8x + 15\)

[2 marks]

Answer

2(e) \(x^2 - 4x + 4\)

[2 marks]

Answer

Turn over for next question
Factorise the following quadratics: (Level 5)

3(a) \( x^2 + x - 30 \) [2 marks]

Answer

3(b) \( x^2 + 2x - 35 \) [2 marks]

Answer

3(c) \( x^2 + 4x - 5 \) [2 marks]

Answer

3(d) \( x^2 - x - 2 \) [2 marks]

Answer

3(e) \( x^2 - 4x - 5 \) [2 marks]

Answer

Turn over for next question

© Maths Made Easy 2020
Factorise the following quadratics:

4(a) \( x^2 - 3x - 40 \) [2 marks]

Answer

4(b) \( x^2 + 5x + 4 \) [2 marks]

Answer

4(c) \( x^2 + 3x - 18 \) [2 marks]

Answer

4(d) \( x^2 + x - 2 \) [2 marks]

Answer

4(e) \( x^2 - 6x + 5 \) [2 marks]

Answer

End Of Questions