2.13 Expanding Double Brackets: 10-minute Pack

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Expand and simplify: $(2x - 3)(x^2 + 2x - 1)$.

(3)

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2 Expand and simplify: $(x + 5)(x - 5)$.

(2)

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3 Expand and simplify $(3t - 1)(t + 6)$.

(3)

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Mark scheme · 2.13 Expanding Double Brackets: 10-minute Pack

Question 1

2x multiplied across and -3 multiplied across shown	**M1**
terms combined correctly	**M1**
$2x^3 + x^2 - 8x + 3$ cao	**A1**

Answer: **$2x^3 + x^2 - 8x + 3$**

Question 2

method: use difference of squares or multiply out	**M1**
$x^2 - 25$ cao	**A1**

Answer: **$x^2 - 25$**

Question 3

at least three of the four products correct	**M1**
all four products correct	**M1**
$3t^2 + 17t - 6$ cao	**A1**

Answer: **$3t^2 + 17t - 6$**

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