

15

(b) Expand and simplify $4n(n - 3)(n + 5)$

(2)

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12 (a) Expand and simplify $n(n - 4)(3n + 5)$

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(2)



12

(b) Expand and simplify $2x(x - 5)(x - 3)$

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13 (a) Expand and simplify $5x(x + 2)(3x - 4)$

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12

(c) Expand and simplify $5x(3x + 4)(2x - 1)$

(3)

- 14 (a) Show that $3y(2y + 5)(y + 7)$ can be written in the form $ay^3 + by^2 + cy$ where a, b and c are integers.

(3)

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15 Write $3x(2x - 1)(5x + 4)$ in the form $ax^3 + bx^2 + cx$ where a , b and c are integers.

(Total for Question 15 is 3 marks)

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- (c) Expand and simplify $4x(x - 5)(2x + 3)$
Show your working clearly.

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(3)

(Total for Question 12 is 7 marks)



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21 (a) Show that $x(x - 1)(x + 1) = x^3 - x$

(1)



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- 13 Expand and simplify $4x(3x + 1)(2x - 3)$
Show your working clearly.

.....
(Total for Question 13 is 3 marks)



16 (a) Expand and simplify $(x + 4)(x - 2)(x + 1)$

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(3)



11 (a) Expand and simplify $(2x - 1)(x + 3)(x - 5)$

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(3)



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- 18 (a) Expand and simplify $(x + 2)(2x + 3)(x - 7)$
Show your working clearly.

.....
(3)



16 (a) Expand and simplify $(3x - 1)(x + 2)(3x + 1)$

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(3)



- 14 (a) Expand and simplify $(5 - x)(2x + 3)(x + 4)$
Show your working clearly.

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(3)



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17 (a) Expand and simplify $(x + 6)(3x - 2)(x + 6)$

(3)



14 (a) Expand and simplify $(3x + 1)(2 - x)(4 + x)$

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14 Expand and simplify $(4x + 1)(x - 3)(5x + 6)$

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(Total for Question 14 is 3 marks)



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16 Expand and simplify $(2x + 3)(x - 5)(x + 4)$

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(Total for Question 16 is 3 marks)



- 13 Expand and simplify $3x(2x - 5)^2$
Show clear algebraic working.

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(Total for Question 13 is 3 marks)

