Marked example 2

Paper 1 style · No calculator

2 4 marks SL 1.9 ●●○ Typical

Consider the expansion of $(3x-2)^5$.

(a) Find the term in x^3. **[3]**

(b) Write down the constant term. **[1]**

MARKSCHEME (a)

$\binom{5}{2}(3x)^3(-2)^2$ **(M1)**

$10 \times 27 \times 4$ **(A1)**

$1080x^3$ **A1**

Total 3 marks

MARKSCHEME (b)

$(-2)^5 = -32$ **A1**

Total 1 mark

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