Question	Scheme	Marks
1	$(1-4x)^{-3} = 1 \underline{\pm} 3\times 4x \pm \frac{-3\times -4}{2}(...x)^2 \pm \frac{-3\times -4\times -5}{6}(...x)^3 + ...$	**M1**
	$(1-4x)^{-3} = 1+3\times 4x+\frac{-3\times -4}{2}(-4x)^2+\frac{-3\times -4\times -5}{6}(-4x)^3+...$	**A1**
	$=1+12x+96x^2+640x^3+...$	**A1A1**
		(4)
		(4 marks)

Notes:

M1: Attempts the binomial expansion of $(1-4x)^{-3}$ with correct attempts at the (unsimplified, and may be in terms of factorials) binomial coefficients for **at least two** of the x, x^2, x^3 terms. The "–4" may be missing or have incorrect sign and allow for missing brackets. (May be scored if the x^3 term is omitted.)

A1: For a correct unsimplified expansion. (May be in terms of factorials.)

A1: Any two terms correct and simplified (of the four, so includes the 1). The M must have been scored.

A1: Fully correct and all terms simplified. Ignore any higher order terms. ISW after a correct simplified.

Note M1A0A1A0 is possible e.g. if the x and x^3 terms have the wrong signs.

Note: listing terms can score maximum of M1A1A1A0.