Question	Scheme	Marks	AOs
2(a)	$x^3 \to x^2$ or $x^2 \to x$ or $-10x \to -10$	M1	1.1b
	$\dfrac{\mathrm{d}y}{\mathrm{d}x} = 15x^2 + 19x - 10$	A1	1.1b
		(2)	
(b)	$\left(\dfrac{\mathrm{d}y}{\mathrm{d}x} =\right) 15(-2)^2 + 19(-2) - 10 = \dots \ (=12)$	M1	1.1b
	$y - 6 = "12"(x+2)$	dM1	1.1b
	$y = 12x + 30$	A1	1.1b
		(3)	
		(5 marks)	

Notes

(a)

M1: Reduces the power of x by one on one of the terms (indices do not need to be processed)

A1: $15x^2 + 19x - 10$. Allow $19x^1$

(b)

M1: Attempts to find the gradient of the curve at $x = -2$

dM1: Attempts to find the equation of the tangent at $(-2, 6)$ using their gradient. If they use $y = mx + c$ they must proceed as far as $c = \dots$. It is dependent on the first method mark.

A1: $y = 12x + 30$