

Question	Scheme	Marks	AOs
3(a)	$-3x^2$ should be $(+)3x^2$	B1	2.3
		(1)	
(b)	$x^2 - 27x + 3x^2 + 162 - 36x + 2x^2 = 0$ $\Rightarrow 6x^2 - 63x + 162 = 0$	M1	1.1b
	$2x^2 - 21x + 54 = 0 \Rightarrow (2x - 9)(x - 6) = 0 \Rightarrow x = \dots$	M1	1.1b
	$x = \frac{9}{2}, 6$	A1	1.1b
	$y = \frac{9}{2}, 3$	A1	1.1b
		(4)	
(5 marks)			

Notes

(a)

B1: Identifies the error in the solution

(b)

M1: Proceeds to a 3 term quadratic in either variable, either applies the correction or starts again

M1: Solves their 3TQ

A1: Correct x values

A1: Correct y values