

Q	Marking instructions	AO	Marks	Typical solution
6	Substitutes to obtain a quadratic equation, must have = 0, in terms of x or y only. PI by two correct values of x or two correct values of y .	1.1a	M1	$x = 2(2x^2 - 4x + 1) - 11$ $0 = 4x^2 - 9x - 9$
	Obtains $x = 3, x = -\frac{3}{4}$ Or Obtains $y = 7, y = \frac{41}{8}$ CSO	1.1b	A1	$x = 3, x = -\frac{3}{4}$ When $x = 3$ $y = 2(3^2) - 4(3) + 1 = 7$ When $x = -\frac{3}{4}$
	Substitutes at least one of their x or y values into either equation to obtain y or x values	1.1a	M1	$y = 2\left(-\frac{3}{4}\right)^2 - 4\left(-\frac{3}{4}\right) + 1 = \frac{41}{8}$
	Obtains $x = 3, x = -\frac{3}{4}$ $y = 7, y = \frac{41}{8}$ ACF CSO Do not ISW	1.1b	A1	
	Question 6 Total		4	