Question 6 – 2:

6(a)(i)	−3	1	
6(a)(ii)	−1 1.55 to 1.6 4.4 to 4.45	3	**B1** for each
6(a)(iii)	−8	1	
6(a)(iv)	Ruled line through origin intersecting curve once	2	**B1** for ruled line through origin
6(b)(i)	18	3	**B2** for $6x − 12$ or **B1** for $6x$ or $−12$
6(b)(ii)	(2, −5)	2	**B1** for each. If 0 scored, **M1** for *their* $6x − 12 = 0$ or states $\dfrac{dy}{dx} = 0$
6(c)	$[p =] 7$ $[q =] 3$	2	**B1** for each