7	(a)	DR Nigel should substitute $x = -7$ not $x = 7$; his calculation shows that $(x - 7)$ is not a factor $(-7)^3 - 37 \times (-7) + 84 = -343 + 259 + 84 = 0$, so	B1	2.3	Any suitable comment that references the factor theorem	Allow for correct algebraic division if
		(x+7) is a factor	B1 [2]	2.1	Clear argument needed	about no remainder.
7	(b)	DR $x^3 - 37x + 84 = (x+7)(x^2 - 7x + 12)$ = (x+7)(x-3)(x-4)	M1	3.1a	Attempt to divide cubic by $(x+7)$ or find a quadratic factor by inspection Attempt to factorise their quadratic factor oe and find points on x -axis	May be seen above (Allow if at least two correct terms)
		Crosses <i>x</i> -axis at (-7, 0), (3, 0), (4, 0) Crosses <i>y</i> -axis at (0, 84)	A1 (dep) B1 B1 [5]	1.1 1.1 1.1	Accept values shown on sketch graph www Accept value shown on sketch graph www Axes labelled and correct general shape FT their values as long as right way up.	The A mark is dependent on the second M mark Exact position of the stationary points is not needed

