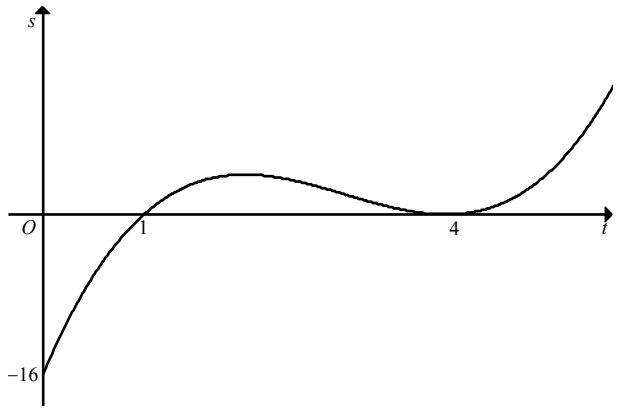
Question	Answer	Marks	Partial marks
1	$5x+2*3$ and $5x+2*-3$ oe	**M1**	where * could be = or any inequality sign
	Critical values: $\frac{1}{5}$, –1 soi	**A2**	**A1** for one correct value
	$x \leqslant -1 \quad x \geqslant \frac{1}{5}$ oe mark final answer	**A1**	
	Alternative method		
	$(5x+2)^2 * 3^2$	**(M1)**	where * could be = or any inequality sign
	Critical values: $\frac{1}{5}$, –1 soi	**(A2)**	**A1** for $25x^2+20x-5[*0]$
	$x \leqslant -1 \quad x \geqslant \frac{1}{5}$ oe mark final answer	**(A1)**	
2 (a)	Fully correct graph with all intercepts stated  	**2**	**B1** for correct cubic shape with maximum in the first quadrant, a point of tangency to the *t*-axis at the minimum point; must meet the *s*-axis **B1** for correct intercepts; must have attempted the correct shape
2(b)	v: $2(t-4)(t-1)+(t-4)^2$ (1) or s: $t^3-9t^2+24t-16$ **and** v: $3t^2-18t+24$	**M1**	
	v: $3(t-4)(t-2)$	**A1**	