6	**(i)**		Roughly correct shape, both parts, no extra Clearly approaching axes in all four places	**B1*** **dep*B1** **[2]**	**1.1a** **1.1b**	not nec'y in correct posn on axes Allow thick or "double"	SC: half graph alone, correct shape, approaching axes, B1
	(ii)		$x(x^2 - 6x + 9)$ $= x(x-3)(x-3)$ or $x = 0$, $x = 3$, $x = 3$ oe Curve drawn, with correct orientation: shape $\cup$ roughly correct thro' (0,0) min on x-axis min labelled (3, 0) or 3	**M1** **M1** **B1** **A1** **A1** **[5]**	**1.1a** **2.1** **1.1** **2.2a** **1.1**	may be implied by diag Allow thick or "double" or wobbly or straight or vertical sections. Indep not at (0, 0) NB A-mks dep on M1 SC: All correct but upside down or all correct but stops at O B4	$\frac{dy}{dx} = 3x^2 - 12x + 9 = 0$ Min at (3, 0) stated or drawn Correct graph: full marks regardless of wking