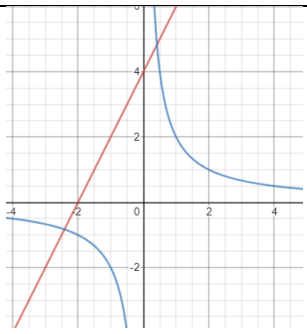


Question			Answer	Marks	AO	Guidance	
7	(a)			B1 B1 [2]	1.1 1.2	correct line beyond the axes correct shaped curve- approaching axes, not touching, in quadrant 1 and 3, beyond points of intersections Check second graph page	
7	(b)		$2x + 4 = \frac{2}{x}$ $2x^2 + 4x - 2 = 0$ oe $(x + 1)^2 - 1 - 1 = 0$ or $\frac{-2 \pm \sqrt{2^2 - 4 \times 1 \times (-1)}}{2 \times 1}$ oe $-1 \pm \sqrt{2}$ $[x =] -1 - \sqrt{2}$ or $[x =] -1 + \sqrt{2}$	B1 M1 M1 A1 A1 [5]	3.1a 2.1 1.1 1.1 3.2a	Some rearrangement to form quadratic, allow sign errors condone calculator for either root, exact answer only both roots correct isw when roots found	SC Exact answers only, no working B0M1M1A1A1 SC decimal values only – no working -2.414, 0.414 then B0M1M1A0A0