(a)	)	Shown	M1	for method to establish at least one root between $x = 0$ and $x = 1$ ,
1			G.	eg $f(0) = -5$ and $f(1) = 3$
			C1	for correct values and a deduction about the roots eg as there is a sign change there must be at least one root between $x = 0$ and $x = 1$ (as f is continuous)
(b)			C1	for a correct first step in rearrangement, eg $x(x^2 + 7) - 5 = 0$ or $x^3 + 7x = 5$
			C1	for clear and correct steps showing complete rearrangement
			CI	for creat and correct steps showing complete rearrangement
(c)	$x_1 = 0.625$	0.6704(483001)	M1	for substitution of 1 into the formula (to get 0.625)
	$x_2 = 0.6765327696$		M1	for substitution of " $x_1 = 0.625$ " and " $x_2 = 0.6765327696$ " to give $x_2$ and $x_3$
	$x_3 = 0.6704483001$		A1	0.6704(483001)
(d)	)	Comment	M1	substitutes answer to (c) into expression (to get -0.00549)
			C1	appropriate comment, eg accurate as answer is close to 0

2	(a)	6 or –6	M1	for $12^2 + 2 \times -3 \times 18 $ (= 36)	Terms may be partially evaluated.
			A1	for 6 or -6, accept ±6	Only one value is required for full marks
	(b)	$s = \frac{v^2 - u^2}{2a}$	M1	for subtracting $u^2$ from both sides or dividing all terms by $2a$ as the first step	Must see this step carried out, not just the intention shown
			A1	$s = \frac{v^2 - u^2}{2a} \text{ oe}$	

2	6	M1 for 720 ÷ 40 (= 18) or 720 ÷ 30 (= 24)		
			for a complete process eg (720 ÷ 30) – (720 ÷ 40) <b>or</b> "18" × 4/3 – "18" <b>or</b> "24" – "24" × 3/4	
		A1	cao	