Question			Answer	Marks	Part Marks and Guidance	
1	**(a)**		5.5 or 5 ½	3	nfww **M2** for $2x = 11$ or $[x =] 11/2$ Or **M1** for one side of this correct AND **M1** for answer FT *their* $ax = b$ or *their* $ax + b = 0$ for $a \neq 1$ or 0, $b \neq 0$	Common FT dependent on at least **M1** already earned
	(b)		$7y\,(y - 2)$ as final answer	2	**M1** for $7y(...)$ or for $7(y^2 - 2y)$ or for $y(7y - 14)$	

2	**(a)**		$(x - 3)(x + 3)$ final answer	1		
	(b)		$(x - 3)(x - 1)$ final answer	2	**M1** for $(x \pm 3)(x \pm 1)$	
	(c)		$\frac{x-1}{x+3}$ final answer	1		

3	**(a**		$x^2 + 2x - 15$	2	**Final answer** **B1** for three of x^2, (+)5x, ⁻3x, ⁻15	
	(b)		$(2x + y)(2x - y)$	2	**Final answer** **M1** for $(2x \pm y)(2x \pm y)$	
	(c)		$(x - 3)(x - 4)$ 3 and 4	M2 B1	**M1** for $(x + a)(x + b)$ where ab = 12 or a + b = ⁻7 Final answers	 Final mark independent of method

4			$(2x - 1)(x - 4)$ $(x - 4)(x + 2)$ $\frac{2x-1}{x+2}$	M2 M1 A1	**M1** for $(2x + a)(x + b)$ where ab = 4	

5	**(a**		$(x+3)^2-8$	2	**M1** for $(x+3^2)$ soi	
	(b)		$(x+3^2)$ = 8 x + 3 = [±] $\sqrt{8}$ $^-$0.17 and $^-$5.83	M1FT M1FT B2	FT from *their* $(x+a)^2 \pm b$ ± not necessary for this mark **B1** for one of the values correct or two values correct but not to 2dp	a and b integers

6	(a)		$(x-5)(x-2)$ 5 and 2	M2 B1	**M1** for $(x + a)(x + b)$ where a + b = $^-$7 or ab = +10	Final mark independent of method
	(b)		Substitute for y or equalise coefficients Obtain <u>any</u> correct equation in x (or y) x = 3 y = $^-$2	M1 A1 B1 B1	Allow one error	Final 2 marks independent of method