1(a)	x = 0 and $x = 3$	[1] Both answers needed for mark
1(b)	$-x^2 + 7x - 7 < 7$	[1]
1(c)	-10 < <i>x</i> < 3	[1]
2(a)	$x^{2} + 5x - 14 \le 0$ (x + 7)(x - 2) \le 0	[1] - Factorising
	$-7 \le x \le 2$	[1] – Final answer
2(b)	$7x^{2} - 58x + 16 \le 0$ (x - 8)(7x - 2) \le 0	[1] - Factorising
	$\frac{2}{7} \le x \le 8$	[1] – Final answer
2(c)	$x^{2} > 4(8 - x)$ $x^{2} + 4x - 32 > 0$ (x - 4)(x + 8) > 0	[1] - Factorising
	x < -8 and x > 4	[1] – Final answer
2(d)	$ \begin{array}{rcl} x^2 - x - 30 \ge 0 \\ (x - 6)(x + 5) \ge 0 \end{array} $	[1] - Factorising
	$x \le -5$ and $x \ge 6$	[1] – Final answer
3	$x^2 - 4x - 5 \ge 0$	[1] - Rearranging
	$(x-5)(x+1) \ge 0$	[1] - Factorising
	They are both correct but each person only gives half of the answer.	[1] – Valid explanation
4	$-(x^2 - 7x + 12) \ge 0$	[1] - Rearranging
	$-(x-3)(x-4) \ge 0$	[1] - Factorising
	f(0) < 0; f(5) < 0; f(3.5) > 0	[1] - Evaluation
	$3 \le x \le 4$ is the solution	[1] – Final answer only achieves mark with prior working shown
5	$x^2 - 5x + 4 \le 0$	[1] - Rearranging
	$(x-4)(x-1) \le 0$	[1] - Factorising
	$1 \le x \le 4$	[1] – Final answer