Simultanueos Equations

1	**13**	$x = 12 \quad y = -10$	3	**M1** consistent addition (& mult) for x or consistent subtraction (& mult) for y **A1** only earned if method correct
2	**10**	$x = 4 \quad y = -3$	3	**M1** consistent mult and sub/add **A1** one correct value but M must be scored
3	**17**	$x = -1,\ y = 5$	3	**M1** consistent multiplication and either add or subtract **A1** for one correct after **M1**
4	**10**	$x = 13$ $y = -9$	**3**	**M1** for consistent multiplication and addition/subtraction **A1** for $x = 13$ or **A1** for $y = -9$
5	**12**	$x = 1$ $y = 0.2$ or $\frac{1}{5}$ only	**3**	**M1** consistent mult and add/subtraction **A1** one value correct after **M** awarded
6	**8**	$(x =) 5 \quad (y =) -1$	**3**	**M1** for consistent multiplication and add/subtract as appropriate **A1** for 1 correct answer
7	**3**	$(x =) -3 \quad (y =) 5$	**2**	**M1** for correctly eliminating one variable
8	**11**	$x = -7$ $y = 9$	**3**	**M1** for consistent multiplication and addition/ subtraction as appropriate. Allow computational errors **A1** for $x = -7$ **or** $y = 9$
9	**10**	25	**4**	**M1** for correct method to eliminate one variable **A1** for $x = 11$ **A1** for $y = 3$ **B1 FT** for $2 \times$ *their* $x +$ *their* y correctly evaluated
10	**15**	(8, 2)	**3**	**M1** for correctly eliminating one variable **A1** for $x = 8$ **A1** for $y = 2$ If 0 scored, **SC2** for correct substitution and correct evaluation to find the other value.
11	**3**	$[x =] 2, [y =] -3$	**2**	**B1 B1** or **SC1** for reversed answers
12	**12**	$\begin{matrix} 5 \\ -5 \end{matrix}$ nfww	**3**	**M1** for correctly eliminating one variable **A1** for $x = 5$ **A1** for $y = -5$ If zero scored **SC1** for correct substitution and evaluation to find the other variable

13	**18**	Correctly equating one set of coefficients	**M1**	
		Correct method to eliminate one variable	**M1**	Dependent on the coefficients being the same for one of the variables Correct consistent use of addition or subtraction using their equations
		$x = 0.8$	**A1**	If zero scored **SC1** for 2 values satisfying one of the original equations or if no working shown, but 2 correct answers given
		$y = -3$	**A1**	
14	**11**	Correctly eliminating one variable	**M1**	
		$[x =]$ 6	**A1**	
		$[y =] \frac{1}{4}$	**A1**	If 0 scored **SC1** for 2 values satisfying one of the original equations **SC1** if no working shown but correct answers given
15	**11**	Correctly eliminating one variable	**M1**	
		$[x =] -1$ and	**A1**	If zero scored, **SC1** for 2 values that satisfy one of the original equations **or** **SC1** if no working shown, but 2 correct answers given
		$[y =] 5$	**A1**	
16	**8**	correctly eliminating one variable	**M1**	
		$[x =] 9$	**A1**	
		$[y =] 3.5$	**A1**	If zero scored, **SC1** for 2 values satisfying one of the original equations **SC1** if no working shown but 2 correct answers given
17	**16**	Correctly eliminating one variable	**M1**	
		$x = 4$	**A1**	If zero scored **SC1** for 2 values satisfying one of the original equations or if no working shown, but 2 correct answers given
		$y = 0.5$ oe	**A1**	
18	**19**	$3x + 4y = 10.8$ $5x + 2y = 14.50$	**1** **1**	
		2.6[0] 0.75	**3**	**M1 FT** for correctly eliminating one variable **Al** for 2.6 **A1** for 0.75 If **M0** then or **SC1** for correct substitution and correct evaluation to find the other value