

18	$y^2 + 4x = 12$ $4x + 5y = 20$ with subtraction or $\left \begin{array}{r} 10x + 20 \\ -10x - 20y \\ \hline 20y = 20 \end{array} \right $ or $x = \left(\frac{12 - y^2}{4} \right) + 5y = 10$ or			M1 for eliminating one variable multiplication of equation(s) to get same multiple of x with subtraction (variable not eliminated) correct or either rearrangement of one equation and then correct subtraction (and correct equation (variable eliminated) correct or rearrangement)
	E.g. $x^2 - 6xy + 9y^2 = 0$ or $4x^2 - 4x + 2 = 0$			A1 reduction to a correct 1 term quadratic; signs may not all be 'on the same side'
	E.g. $3x + 2(3x + 4) = 16$ or $4(x + 2)(x + 1) = 40$			M1 if 1st M1 awarded and equation is quadratic for correct factorisation or correct substitution into formula
	$(x =) \frac{10 \pm \sqrt{100}}{2}$ or $\frac{10 \pm \sqrt{4}}{2}$ $(y =) \frac{10 \pm \sqrt{100}}{2}$ or $\frac{10 \pm \sqrt{4} \pm 1}{2}$			A1 for $y = 1, y = 4$ or $x = 1, x = 4$ correct x or y values implies previous M1
		$x = 1, y = 1$ or $x = 1, y = 4$	4	M1 (also see the previous M1) for correct substitution to find both values
	Total 8 marks			

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