18	$ax^2 + 6a = 3w - x^2$ oe		4	M1	for multiplying both sides by the denominator and expanding the brackets to get a **correct** equation
	$ax^2 + x^2 = 3w - 6a$ **or** $-ax^2 - x^2 = 6a - 3w$			M1ft	dep on 2 terms in x^2 and 2 other terms for correctly collecting their x^2 terms on one side and their other terms on the other side
	eg $x^2(a+1) = 3w - 6a$ **or** $x^2(-a-1) = 6a - 3w$			M1ft	dep on 2 terms in x^2 on one side and 2 other terms on the other side of an equation for correctly factorising x^2 or $-x^2$ from their equation
	Correct answer scores full marks (unless from obvious incorrect working).	$x = (\pm)\sqrt{\dfrac{3w-6a}{a+1}}$		A1	oe eg $x = (\pm)\sqrt{\dfrac{6a-3w}{-a-1}}$ **or** $x = (\pm)\left(\dfrac{3w-6a}{a+1}\right)^{\frac{1}{2}}$ **or** $x = (\pm)\left(\dfrac{3w-6a}{a+1}\right)^{0.5}$ (condone omission of ±) allow correct factorisation of the numerator NB: to award A1, we must see $x = (\pm)\sqrt{\dfrac{3w-6a}{a+1}}$ in working if $(\pm)\sqrt{\dfrac{3w-6a}{a+1}}$ alone is given as an answer
					Total 4 marks