Question	Answer	Mark	Mark scheme	Additional guidance
17	Shown	M1	for method to finding gh(x), eg gh(x) = $1 - 3(2x^2 - 1)$	$= 1 - 6x^2 + 3$ $= 4 - 6x^2$
		M1	for method to find hg(x), eg hg(x) = $2(1 - 3x)^2 - 1$	$= 2(1 - 3x - 3x + 9x^2) - 1$ $= 2 - 12x + 18x^2 - 1$ $= 1 - 12x + 18x^2$
		M1	(dep M2) for method to find 3gh(x) + hg(x) eg $3(1 - 3(2x^2 - 1)) + 2(1 - 3x)^2 - 1$ (= 0)	Expressions for gh(x) and hg(x) may have been incorrectly expanded and simplified
		M1	for expanding all brackets as far as at least $3 - 18x^2 + 9 + 2 - 12x + 18x^2 - 1$ (= 0)	Need not be fully simplified but must be correct
		C1	for reducing to a linear equation eg $13 - 12x = 0$ and stating that this gives just one solution or stating $x = \dfrac{13}{12}$ oe	