Question	Working	Answer	Mark	Notes	
19	$(2x – 3)(2x + 5)$ or $\frac{-4 \pm \sqrt{4^2 - 4 \times 4 \times -15}}{2 \times 4}$ or $4\left[\left(x + \frac{1}{2}\right)^2 - \left(\frac{1}{2}\right)^2\right] - 15 (= 0)$ or $4\left(x + \frac{4}{2 \times 4}\right)^2 - \frac{4^2}{4 \times 4} + -15 (= 0)$		3	M1	for a correct method to solve the quadratic equation $4x^2 + 4x - 15 = 0$ Allow $(4x – 6)(x + 2.5)$ or $(4x + 10)(x – 1.5)$ or $(4x – 6)(4x + 10)$ leading to $(x – 1.5)(x + 2.5)$ or $(4x – 6)(4x + 10)$ leading to correct values of x Do not allow $(x – 1.5)(x + 2.5)$ without previous working (If using formula allow some simplification – allow as far as $\frac{-4 \pm \sqrt{16 + 240}}{8}$)
	1.5, – 2.5 oe			A1	oe dep on M1
		$–2.5 < x < 1.5$		A1	oe dep on M1 Allow $x > –2.5$ (and) $x < 1.5$ oe Allow any variable as long used all the way through
					Total 3 marks