

1	$\frac{5 \pm \sqrt{15}}{2}$	M1 M1 M1 A1	<p>for using a common denominator</p> <p>eg $\frac{x-1}{(2x-1)(x-1)} + \frac{3(2x-1)}{(2x-1)(x-1)} (= 1)$</p> <p>or $(x-1) + 3(2x-1) = (2x-1)(x-1)$</p> <p>for expanding and rearranging to get $2x^2 - 10x + 5 (= 0)$</p> <p>(dep M1) fit for a method to solve their 3 term quadratic equation</p> <p>eg $\frac{10 \pm \sqrt{(-10)^2 - 4 \times 2 \times 5}}{2 \times 2}$ or $\frac{10 \pm \sqrt{60}}{4}$</p> <p>or $2 \left[\left(x - \frac{5}{2} \right)^2 - \left(\frac{5}{2} \right)^2 \right] + 5 = 0$ oe</p> <p>cao</p>	<p>Note we don't need to see "= 0"; just the LHS is sufficient</p> <p>Accept other forms of the 3 term quadratic, eg $2x^2 - 10x = -5$</p> <p>Correct use of formula or completing the square</p>
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