

2	Numerator $\equiv (x + 1)(x - 2)(2x + 3)$ Denominator $\equiv (x + 1)(x - 2)$ Ans: $2x + 3$	M1 M1 M1 A1	3.1a 1.1 1.1 1.1	Attempt factorise numerator into 3 linear factors Attempt factorise denominator into 2 linear factors "cancel" two common factors in num & denom Allow no mention of $x \neq -1$ or $x \neq 2$ conditions. NB correct answer with no working or partial working: 4 marks
		[4]		SC: Answer $x + \frac{3}{2}$ B3
	Alternative method $ \begin{array}{r} \\ x^2 - x - 2 \overline{) 2x^3 + x^2 - 7x - 6} \\ \underline{2x^3 - 2x^2 - 4x} \\ 3x^2 - 3x - 6 \\ \underline{3x^2 - 3x - 6} \\ - \end{array} $	M1 A1 A1 A1		Attempt long division by $x^2 - x - 2$ or by $x + 1$ or by $x - 2$ Obtain "2x" in quotient Obtain "+ 3" in quotient Answer $2x + 3$ clear (not just in the division sum)