Success Criteria for Long Division of Polynomials

No	Success Criteria	Achieved
1	Set out your long division	
2	Divide by the first term of the divisor $2x - 7 \boxed{24x^3 - 22x^2 - 117x - 140}$	
3	Write the quotient above the expression of the same order in the dividend $24x^{3} + 2x - 12x^{2}$ $2x - 7 24x^{3} - 22x^{2} - 17x - 140$	
4	Multiply the last expression in your quotient by each term in the divisor and write the answer down under the expression in the dividend of the same order. $\frac{12x^2}{2x - 7 \sqrt{24x^3 - 222c^2} - 177c - 140}$ $-24x^3 - 84x^2$ $(12x^2 \times 2x)$ $(-7 \times 12x^2)$	
5	Subtract each term in the product you have just calculated from the relevant expressions in the question. Be careful to write the subtract and remember a minus times a minus is a plus. Also think of number lines if you have difficult figuring out minus take a minus. $2x - 7 \int 24x^3 - 22x^2 - 117x - 140$ $- 24x^3 - 84x^2$ Be careful fully is used for the relevant expression in the question of the relevant expression is a plus. Also this is used for the relevant expression in the question of the relevant expression is a plus. Also this is used if for the relevant figuring out minus take a minus.	

6	Once you have calculated the answer, bring down the next term and repeat
	the process from Number 2.
	$12x^2 + 31x^{\circ} (62x^2 \div 2x)$
	$2x - 7$ $24x^3 - 22x^2 - 117x - 140$
	$-24x^3 - 84x^2$
	$62x^2 - 177x$
7	Write the quotient above the expression of the same order in the dividend
	$12x^{2} + 31x \cdot (62x^{2} + 2x)$
	$2x - 7$ $24x^3 - 22x^2 - 117x - 140$
	$-24x^3 - 84x^2$
	$62x^2 - 117x$
8	Multiply the last expression in your quotient by each term in the divisor and
	order.
	$12x^{2} + 31x$
	$2x - 7 \left[24x^3 - 22x^2 - 177x - 140 \right]$
	$\frac{1}{24x^3} - 84x^2$
	$62x^2 - 177x$
	$62x^2 - 217x$
	$(-7 \times 31x)$
	$(2x \times 312c)$
9	Subtract the two new expressions from each other. Be careful with the plus
	and minus numbers. Think carefully.
	$12x^{2} + 31x$
	2x = 7 or 3 or 3 its line
	$22 - 1 = 24x^2 - 22x^2 - 117x - 140$
	$24x^{3} - 84x^{2}$
	$62x^2 - 177x$
	$-62x^2 - 217x$
	40%

10	Bring down the next term, in this case, the -140.
	$ 2x^2 + 3 x$
	$2x - 7$ $24x^3 - 22x^2 - 17x - 140$
	$-24x^3 - 84x^2$
	$(2x^2 - 17x)$
	$-62x^2 - 217x$
	40x - 140
11	Divide the first term of the divisor with the first term of your new expression
	\circ $(40x = 2x)$
	$12x^2 + 31x + 20$
	$2x - 1 = 24x^3 - 22x^2 - 17x - 140$
	$-24x^3 - 84x^2$
	$62x^2 - 177x$
	$\frac{62x^2 - 217x}{4}$
10	40x - 140
12	Multiply the next term of the quotient by your divisor.
	$\frac{12x^2 + 31x + 20}{2}$
	$2x - 1 = 24x^{3} - 22x^{2} - 177x - 140$
	$\frac{24x^3 - 84x^2}{\sqrt{2}}$
	$62x^2 - 177x$
	$\frac{62\pi}{40\pi} - \frac{140}{4}$
	40x -140
	$(2x \times 20)^{\circ}$ (-7 × 20)
12	Subtract the remaining expressions from each other
12	Subtract the remaining expressions non-each other. $12x^2 + 31x + 20$
	$2x - 7$ $24x^3 - 22x^2 - 11/x - 140$
	$-24x^{3} - 84x^{2}$ V
	$62x^2 - 1/1x$
	$= 62x^2 - 217x^2$ V
	40x - 140
	402 0