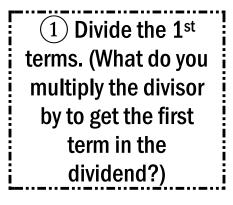
LONG Division of Polynomials

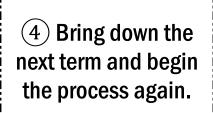
Examples

Procedure:



2 Multiply times the divisor.

3 Subtract by changing the sings and combining like terms.



 $\frac{2x^3 - 3x^2 - 10x + 7}{x - 3}$

 $(6x^3 + x^2 + 4x - 5) \div (x + 2)$

SYNTHET Procedure:	TC Division of Polynomials $(2x^3 - 3x^2 - 10x + 7) \div (x - 3)$
1 Solve your divisor for x.	
2 Set up the chart with the solved for x & coefficients/constants.	($6x^3 + x^2 + 4x - 5$) ÷ ($x + 2$)
3 Multiply and add.	
(4) Write your answer with the appropriate variables & remainder if there is one.	