

Dividing Polynomials: Long division notes

Follow the example on the video, and then try one on your own.

Steps:	$(6x^3 - 16x^2 + 17x - 6) \div (3x - 2)$	$(6x^3 - x^2 - 7x + 12) \div (2x + 3)$
<ol style="list-style-type: none">1. Arrange the terms in order by their exponents, with the largest exponent first.2. Divide the first term of the divisor into the first term of the dividend and write the result over the term it matches.3. Multiply the result by the whole divisor, write the answer under the dividend.4. Subtract. (When subtracting a polynomial add the opposite.)5. Bring down the next term and repeat the last three steps until you are finished.6. If there is a remainder, write it over the divisor and add this to the quotient.		

