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1) Simplify (2x-3)(x+4)	 Describe how to multiply three binomials for example: (x+2)(3x-1)(x-5)
3) What is 4x ⁵ times 3x ² ?	4) Simplify (2x-5)(x+1)
5) What is the highest degree, leading coefficient and constant for the following: (x-2)(x+1)(x ² +3)	6) Simplify (3x-2)(4x+5)(x-3)
7) Ahmed multiplied (x+2)(3x-4) and got 3x ² -8 what did he do wrong?	8) What is the volume of the fish tank?
 9) Determine whether the following is a polynomial. If yes, identify the degree, leading coefficient, and constant. If no, explain your reasoning. 3x⁴+ 2x -6 	10) Multiply (x+3)(x+2)(x-4)

11)Extension: Graph the function $f(x) = (x-5)(4-x)(x+1)$ (you can do so on a calculator). What are the graph's x-intercepts? How do they relate to the equation? You may need to zoom out to see the whole graph.	12)Extension: Graph the function f(x) = (x-2)(2-x)(x+5). Estimate the x-values where the graph has a "local maximum" value and a "local minimum" value. You may need to zoom out to see the whole graph.
13)Extension: Graph the function $f(x) = 4x^3 - 44x^2 + 120x$. Estimate the interval(s) when the graph is decreasing.	14)Extension: How is an interval when a graph is decreasing different from an interval when the graph is negative? You may want to refer back to #13's graph.