	STEPS FOR FACTORING (no matter what kind of polynomial it is.)
Step 1:	Factor out the GCF, if there is one.
Step 2:	Count the number of terms.
Step 2: Step 3:	A) 2 terms • Is it a difference of squares? $A^2 - B^2 = (A + B)(A - B)$ • Is it a difference of two cubes? $A^3 - B^3 = (A - B)(A^2 + AB + B^2)$ • Is it a sum of two cubes? $A^3 + B^3 = (A + B)(A^2 - AB + B^2)$ B) 3 terms • Is it a perfect square trinomial? $A^2 + 2AB + B^2 = (A + B)^2$ or $A^2 - 2AB + B^2 = (A - B)^2$ • Is the coefficient of the x^2 term 1? $x^2 + bx + c = (x + m)(x + n)$ where $m \cdot n = c, m + n = b$ • Is the coefficient of the x^2 term different than a 1? > Then use factoring by grouping. > Or use the "Box" method. C) 4 terms • Use factoring by grouping & GCF 3 times. (Remember: sometimes we can
	"group" into groups other than pairs, such as perfect square trinomials.)
Step 4:	CHECK YOUR WORK!