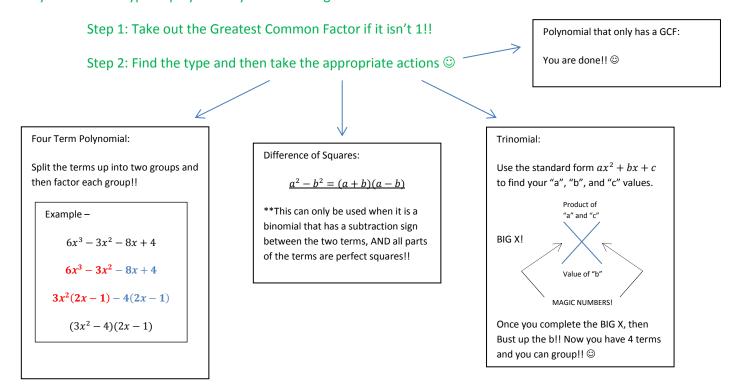
FACTORING REVIEW!!

Remember, when factoring there are a couple of different types. Always first find the GCF and then ask yourself what type of polynomial you are dealing with!



Examples with factored forms:

Polynomial in Standard Form	Factored Form
1. $x^2 + 7x + 6$	(x+6)(x+1)
2. $x^2 - 49$	(x-7)(x+7)
3. $25x^2 - 81$	(5x-9)(5x+9)
4. $15x^2 - 21x + 6$	3(5x-2)(x-1)
5. $2x^2 + 6x + x + 3$	(2x+1)(x+3)
6. $72a^4b^3 - 36a^2b^5 + 12a^2b^2$	$12a^2b^2(6a^2b - 3b^3 + 1)$
7. $64y^2 - 121$	(8y - 11)(8y + 11)
8. $32m^2 - 98$	2(4m-7)(4m+7)
9. $x^2 + 16$	prime
$10.\ 27xy^2 - 9xy^3 + 36x$	$9x(3y^2 - y^3 + 4)$
11. $x^3 - 5x^2 - 4x + 20$	(x-2)(x+2)(x-5)
12. $a^2 - 6a + 9$	$(a-3)(a-3)$ or $(a-3)^2$
13. $10x^2 + 5x - 15$	5(x-1)(2x+3)
$14. \ 14m^2n^2 - 21mn^3 + 28mn^2$	$7mn^2(2m-3n+4)$
15. $3y^2 - 2y + 4$	prime