NAME _____ QUARTER 1

GRADE & SECTION _____ DATE _____

Activity: Factoring Polynomials

Identify the technique to be used in factoring the given polynomials then choose the corresponding factored form in the options below.

		FACTORED FORM
	1. $4x^2 - y^2$	
	2. $8y^2 + 12$	
	3. $4x^2 - 4xy + y^2$	
	4. $x^2 - 15x + 54$	
	5. $25y^2 - 16x^2$	
	6. $8y^3 + 125x^3$	
	7. $125y^3 - 64x^3$	
	8. $-7x^3y^3 - 56x^3y^2$	
	9. $x^2 - 5x - 36$	
	10. $8x^3 - 27y^3$	

ANSWER BANK

$4(2y^2 + 3)$	$-7x^3y^2(y + 8)$	$(5y + 4x)(5y - 4x)$
$(x - 6)(x - 9)$	$(2x + y)(2x - y)$	$(2x - y)(2x - y)$
$(x + 4)(x - 9)$	*prime polynomial*	$(x + 9)(x - 6)$
$(2y + 5x)(4y^2 - 10xy + 25x^2)$	$(5y - 4x)(25y^2 + 20xy + 16x^2)$	$(2x - 3y)(4x^2 + 6xy + 9y^2)$

This is your ____ attempt. How well did you do?

 Need help!

 Just OK!

 Splendid

I LEARNED THAT: _____

_____

_____

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LIVEWORKSHEETS