NAME: _____ QUARTER: _____

GR. & SEC - _____ DATE: _____

FACTORING POLYNOMIALS

TOPIC: Factoring Using Greatest Common Monomial Factor (GCMF)

A. Match COLUMN A with COLUMN B.

COLUMN A		COLUMN B
1. $4x^2 - 6xy$	●	$18x^3 (2 - 3x^2y)$
2. $18x + 20y$	●	$2xy (9x^2y + 10xy^2)$
3. $15x^2yz^3 - 18xy^3z$	●	$2x(2x - 3y)$
4. $8x^3 - 4x^2$	●	$4x^2 (2x - 1)$
5. $36x^3 - 54x^5y$	●	$2(9x+10y)$
		$3xyz (5xz^2 - 6y^2)$

TOPIC: Factoring Using Difference of Two Squares (DOTS)

B. Click the option that correspond to your answer.

6. $x^2 - 64$		$(x+8)(x-8)$		$(x-8)(x-8)$
7. $4x^2 - 9$		$(4x+3)(x-3)$		$(2x+3)(2x-3)$
8. $100x^4 - 121$		$(10x+11)(10x-11)$		$(10x^2+11)(10x^2-11)$
9. $25x^6 - 49y^8$		$(5x^3+7y^4)(5x^3-7y^4)$		$(5x^2+7y^4)(5x^2-7y^2)$
10. $144 - x^2$		$(x-12)(x+12)$		$(12+x)(12-x)$

LIVEWORKSHEETS