

NAME: _____

QUARTER: _____

GR. & SEC - _____

DATE: _____

FACTORING POLYNOMIALS**TOPIC: Factoring Using Greatest Common Monomial Factor (GCMF)****A. Match COLUMN A with COLUMN B.****COLUMN A**

1. $4x^2 - 6xy$



2. $18x + 20y$



3. $15x^2yz^3 - 18xy^3z$



4. $8x^3 - 4x^2$



5. $36x^3 - 54x^5y$

**COLUMN B**

$18x^3(2 - 3x^2y)$

$2xy(9x^2y + 10xy^2)$

$2x(2x - 3y)$

$4x^2(2x - 1)$

$2(9x+10y)$

$3xyz(5xz^2 - 6y^2)$

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. $144 - x^2$

$(x-12)(x+12)$

$(12+x)(12-x)$