Republic of the Philippines
Department of Education
REGION IV – A CALABARZON
SCHOOLS DIVISION OF CALAMBA CITY
MAKILING INTEGRATED SCHOOL
MAKILING, CALAMBA CITY, LAGUNA

A. Factor the following polynomials. Match Column A to Column B.

COLUMN A	COLUMN B
1. $9x^2 - 25$	a. $(4xy)(2x^2y)$
2. $8y^3 - 27$	b. $(t-5)(7t-3)$
3. $9x^4 - 6x^2y + y^2$	c. $(4y^2+6y+9)(2y-3)$
4. $8x^3y^2$	d. $(3x-5)(3x+5)$
5. $7t(t-5)+3(5-t)$	e. $(3x^2-y)^2$

B. Read each item carefully. Write CAPITAL LETTER of the best answer in the blank provided for each item.

_____1. If a and b are both negative integers, which of the following numbers is the largest?

A. ab C. $(a+b)^2$

B. a^2+b^2 D. $(a-b)^2$

_____2. What will you multiply to $(5x+1)$ to make a perfect square trinomial?

A. $(5x-1)$ C. $25x^2+10x+1$

B. $(5x+1)$ D. $25x^2-10x+1$

_____3. Which of the following is a sum of two cubes?

A. m^3+9 C. m^6+9

B. m^3-27 D. m^9+8

_____4. What is the greatest common factor in the expression $28x^8y^4z^6 + 16x^3y^4z^5$?

A. $8x^3y^4z^5$ C. $4x^4y^4z^3$

B. $4x^3y^4z^5$ D. $8x^4y^4z^3$

_____5. Factor $3m(m-4)-(m-4)$.

A. $(m-4)(3m+1)$ C. $(m-4)^2(3m-1)$

B. $(3m-1)(m-4)$ D. $3m(m-4)^2$

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