



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

1. $9x^2 - 25$
2. $8y^3 - 27$
3. $9x^4 - 6x^2y + y^2$
4. $8x^3y^2$
5. $7t(t - 5) + 3(5 - t)$

COLUMN B

- a. $(4xy)(2x^2y)$
- b. $(t - 5)(7t - 3)$
- c. $(4y^2 + 6y + 9)(2y - 3)$
- d. $(3x - 5)(3x + 5)$
- 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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