

1.  $x^2 + y^2 + 2xy - x - y$ 을 인수분해 하면?

①  $(x - y)(x + y + 1)$

②  $(x + y)(x - y - 1)$

③  $(x - y)(x - y - 1)$

④  $(x + y)(x + y - 1)$

⑤  $(x + y)(x + y + 1)$

**2.**  $(x^2 + x)(x^2 + x + 1) - 6$ 을 인수분해하면?

①  $(x - 1)(x + 2)(x^2 + x + 3)$       ②  $(x - 1)(x + 2)(x^2 + x - 3)$

③  $(x - 2)(x + 1)(x^2 + x + 3)$       ④  $(x - 1)(x + 2)(x^2 - x + 3)$

⑤  $(x + 1)(x - 2)(x^2 - x + 3)$

**3.** 다음 중  $(x+y)^3 - 8y^3$  의 인수인 것은?

①  $x^2 - 2xy - 4y^2$

②  $x^2 - 2xy + 4y^2$

③  $x^2 + 2xy + 4y^2$

④  $x^2 - 4xy - 7y^2$

⑤  $x^2 + 4xy + 7y^2$

4.  $x^4 - 3x^2 + 1$ 을 인수분해 하면?

①  $(x^2 + x - 1)(x^2 - x - 1)$

②  $(x^2 + x + 1)(x^2 - x + 1)$

③  $(x^2 + 2x - 1)(x^2 - x - 1)$

④  $(x^2 + x - 1)(x^2 - 2x - 1)$

⑤  $(x^2 + x + 1)(x^2 - 2x + 1)$