

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