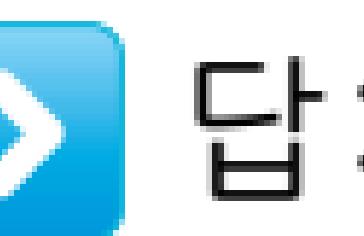


1.  $4(a - b)^2 + 2b(a - b) - b(b - c) - (b - c)^2$  을 두 일차식의 곱으로  
인수분해하여라.



답:

2.  $x^2 + y^2 + 2xy - x - y$  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  $(x + y)(x + y + 1)$

3.  $\frac{k}{3}(k+1)(k+2) + (k+1)(k+2)$  와 같은 것은?

①  $\frac{1}{6}(k+1)(k+3)(k+4)$

②  $\frac{1}{3}k(k+1)(k+2)$

③  $\frac{1}{3}(k+1)(k+2)(k+3)$

④  $\frac{1}{3}k(k+1)(k+2)(k+3)$

⑤  $\frac{1}{4}(k+1)(2k+1)(3k+2)$

4.  $x^2 - 2x - y^2 + 2y$ 를 인수분해하였더니,  $(x + ay)(x - by + c)$ 가 되었다.  
이 때,  $a, b, c$ 를 순서대로 쓴 것은?

- ① -1, 0, 1
- ② -1, 1, 2
- ③ -2, -1, 1

- ④ -1, -1, -2
- ⑤ -1, 2

5.  $x^4 + 2x^3 - 2x^2 + 2x - 3$ 을 바르게 인수분해 한 것을 찾으면?

①  $(x^2 + 1)(x + 3)(x + 1)$

②  $(x^2 + 1)(x + 3)(x - 1)$

③  $(x^2 + 1)(x - 3)(x - 1)$

④  $(x^2 - 3)(x - 1)(x + 1)$

⑤  $(x^2 + 3)(x - 1)(x + 1)$

6.  $a^2b + b^2c - b^3 - a^2c$  을 인수분해하면?

①  $(a + b)(a - b)(b + c)$

②  $(a - b)(b - c)(c + a)$

③  $(a - b)(a + b)(b - c)$

④  $(a - b)(a + b)(c - a)$

⑤  $(a - b)(b + c)(c - a)$