

1. $3x^4 - x^2 - 2$ 를 인수분해 하여라.

① $(3x^2 - 2)(x + 1)(x - 1)$

② $(3x^2 + 2)(x - 1)(x - 1)$

③ $(3x^2 + 2)(x + 1)(x + 1)$

④ $(3x^2 + 3)(x + 1)(x - 1)$

⑤ $(3x^2 + 2)(x + 1)(x - 1)$

2. $x^2 - 2x - y^2 + 2y$ 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 $-1, 2$

3. $x^4 - 11x^2 + 1$ 이 $(x^2 + ax + b)(x^2 + 3x + b)$ 로 인수분해될 때, $a + b$ 의 값은?

① -1

② -2

③ -3

④ -4

⑤ -5

4. 다음 보기 중 $ab(b-a) + ac(c-a) + bc(2a-b-c)$ 의 인수인 것을 모두 고르면?

$\textcircled{\tiny A} \ a-b$	$\textcircled{\tiny B} \ b+c$	$\textcircled{\tiny C} \ a-c$
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- $\textcircled{1} \ \textcircled{\tiny A}$
- $\textcircled{2} \ \textcircled{\tiny B}$
- $\textcircled{3} \ \textcircled{\tiny A}, \textcircled{\tiny C}$
- $\textcircled{4} \ \textcircled{\tiny B}, \textcircled{\tiny C}$
- $\textcircled{5} \ \textcircled{\tiny A}, \textcircled{\tiny B}, \textcircled{\tiny C}$