

1. 다음 안에 알맞은 식은?

$$- [4x - 2y - \{x - (3x + \text{)\}] + 5y = -6x - 7y$$

①

4y

②

-4y

③

3y

④

-3y

⑤

y

해설

$$- [4x - 2y - \{x - (3x + \text{)\}] + 5y$$

$$= - \{4x - 2y - (x - 3x - \text{) + 5y\}$$

$$= - \{4x - 2y - (-2x - \text{) + 5y\}$$

$$= - (4x - 2y + 2x + \text{ + 5y)$$

$$= - (6x + 3y + \text{)$$

$$= -6x - 3y - \text{$$

$$= -6x - 7y$$

$$\therefore \text{$$

2. 다음 중 $7x - \{2y - (3x - y) + (-5x + 4y)\} - 3y$ 를 바르게 정리한 것을 고르면?

① $15x - 10y$

② $15x + 10y$

③ $3x - 2y$

④ $5x + 10y$

⑤ $3x + 8y$

해설

$$\begin{aligned}(\text{준식}) &= 7x - \{2y - 3x + y - 5x + 4y\} - 3y \\&= 7x - \{7y - 8x\} - 3y \\&= 7x - 7y + 8x - 3y \\&= 15x - 10y\end{aligned}$$