

1. 다음을 계산한 값을 차례로 구하면?

$$\textcircled{\text{㉠}} \quad (-13) + (+32) + (-25) - (-19)$$

$$\textcircled{\text{㉡}} \quad -24 - 17 + 29 - 15$$

$$\textcircled{\text{㉠}} \quad -10, -5$$

$$\textcircled{\text{㉡}} \quad -3, 4$$

$$\textcircled{\text{㉢}} \quad 13, 7$$

$$\textcircled{\text{㉣}} \quad 10, 6$$

$$\textcircled{\text{㉤}} \quad 13, -27$$

해설

$$\begin{aligned}\textcircled{\text{㉠}} \quad & (-13) + (+32) + (-25) - (-19) \\ &= (-13) + (+32) + (-25) + (+19) \\ &= 13\end{aligned}$$

$$\begin{aligned}\textcircled{\text{㉡}} \quad & -24 - 17 + 29 - 15 \\ &= (-24) + (-17) + (+29) + (-15) \\ &= -27\end{aligned}$$

2. 다음 중 $-(-1)^{100}$ 과 같은 것은?

① $(-1)^{50}$

② $(-1)^{70}$

③ $\{-(-1)\}^{1000}$

④ $(-1)^{27}$

⑤ $-(-1)^{99}$

해설

$$-(-1)^{100} = -1$$

$$\textcircled{1} \quad (-1)^{50} = 1$$

$$\textcircled{2} \quad (-1)^{70} = 1$$

$$\textcircled{3} \quad \{-(-1)\}^{1000} = 1$$

$$\textcircled{4} \quad (-1)^{27} = -1$$

$$\textcircled{5} \quad -(-1)^{99} = 1$$