

약점 보강 2

1. $\frac{1}{3} \times \{-2 + 3 \times (-1)^3\} + \frac{3}{2}$ 을 계산하면?

[배점 3, 하상]

① $-\frac{1}{6}$

② $-\frac{1}{2}$

③ $\frac{5}{6}$

④ $\frac{3}{2}$

⑤ $-\frac{5}{3}$

해설

$$\begin{aligned}(\text{준식}) &= \frac{1}{3} \times \{-2 + 3 \times (-1)\} + \frac{3}{2} \\&= \frac{1}{3} \times (-2 - 3) + \frac{3}{2} \\&= -\frac{5}{3} + \frac{3}{2} \\&= \frac{-10 + 9}{6} \\&= -\frac{1}{6}\end{aligned}$$

2. $a \times b > 0$, $b \times c < 0$, $b > c$ 일 때, 다음 중 옳은 것은?

[배점 3, 하상]

① $a < 0$, $b < 0$, $c < 0$

② $a < 0$, $b < 0$, $c > 0$

③ $a < 0$, $b > 0$, $c < 0$

④ $a > 0$, $b > 0$, $c < 0$

⑤ $a > 0$, $b > 0$, $c > 0$

해설

$$\begin{aligned}&b \times c < 0, b > c \text{ 에서 } b > 0, c < 0 \\&a \times b > 0, b > 0 \text{ 이므로 } a > 0 \\&\therefore a > 0, b > 0, c < 0\end{aligned}$$