

1. $\sqrt{(\sqrt{3}-2)^2}-\sqrt{(2-\sqrt{3})^2}$ 을 계산하면?

① $1-\sqrt{3}$

② $5-3\sqrt{3}$

③ 0

④ $-5-\sqrt{3}$

⑤ $5-\sqrt{3}$

2. $\frac{\sqrt{2}-\sqrt{3}}{\sqrt{2}+\sqrt{3}}-\frac{\sqrt{2}+\sqrt{3}}{\sqrt{2}-\sqrt{3}}$ 를 계산하면?

① $4\sqrt{6}$

② $4\sqrt{2}$

③ $4\sqrt{3}$

④ $2\sqrt{6}$

⑤ $3\sqrt{6}$

3. 다음 식을 간단히 나타낸 것은?

$$\frac{2}{1+\sqrt{2}} - (1+\sqrt{2})^2$$

- ① -5 ② -4 ③ -3 ④ -2 ⑤ -1

4. $a = \frac{2 - \sqrt{3}}{2}$, $b = \frac{2 + \sqrt{3}}{2}$ 일 때, $a^2 + 2ab + b^2$ 의 값은?

① 2

② 3

③ 4

④ 5

⑤ 6