

1. 다음 중 옳은 것은?

① $\sqrt{-3} \times \sqrt{-4} = -\sqrt{12}$

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④ $\frac{\sqrt{-3}}{\sqrt{-4}} = -\sqrt{\frac{3}{4}}$

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해설

② $\sqrt{-3} \times \sqrt{-4} = \sqrt{3}i \times \sqrt{4}i = -\sqrt{12}$

③ $\sqrt{-3} \times \sqrt{4} = \sqrt{3}i \times \sqrt{4} = \sqrt{12}i$

④ $\frac{\sqrt{-3}}{\sqrt{-4}} = \sqrt{\frac{3}{4}}$

⑤ $\frac{\sqrt{-3}}{\sqrt{4}} = \sqrt{\frac{3}{4}}i$