

1. $2\sqrt{3} \div 3\sqrt{2} \times \sqrt{27}$ 을 간단히 하여라.



답: _____

2. $5\sqrt{2} \div 3\sqrt{5} \times 6\sqrt{10}$ 을 간단히 하여라.



답: _____

3. 식 $2(\sqrt{12} \times \sqrt{7}) \div (\sqrt{28} \times \sqrt{3})$ 을 간단히 하면?

① 1

② 2

③ 3

④ 4

⑤ 5

4. $\sqrt{6} \times \sqrt{3} \div \sqrt{12}$ 을 간단히 한 것은?

① $\sqrt{2}$

② $2\sqrt{2}$

③ $3\sqrt{2}$

④ $\frac{\sqrt{6}}{2}$

⑤ $2\sqrt{2}$

5. $\sqrt{\frac{6}{5}} \div \sqrt{2} \times \sqrt{\frac{20}{3}}$ 을 간단히 하여라.



답:

6. $6\sqrt{6} \div 3\sqrt{2} \times 5\sqrt{6} = a\sqrt{2}$ 을 만족하는 유리수 a 의 값은?

① 10

② 15

③ 20

④ 25

⑤ 30

7. $\frac{3}{\sqrt{2}} \div 2\sqrt{3} \times \sqrt{\frac{5}{2}}$ 를 간단히 하면?

- ① $\sqrt{2}$ ② $\frac{\sqrt{5}}{2}$ ③ $\sqrt{5}$ ④ $\frac{\sqrt{15}}{4}$ ⑤ $\sqrt{15}$

8. $2\sqrt{6} \div 3\sqrt{3} \times \frac{3}{\sqrt{2}}$ 을 간단히 하여라.



답: _____

9. $\frac{4}{\sqrt{10}} \times \sqrt{30} \div \frac{\sqrt{12}}{\sqrt{5}}$ 를 간단히 한 것은?

① 2

② $2\sqrt{5}$

③ $3\sqrt{2}$

④ $3\sqrt{5}$

⑤ $4\sqrt{2}$

10. $2\sqrt{133} \div \frac{1}{\sqrt{7}} \div \frac{1}{\sqrt{19}}$ 를 간단히 하여라.



답:

11. $\frac{\sqrt{24}}{3\sqrt{3}} \times \frac{\sqrt{30}}{\sqrt{12}} \div \frac{\sqrt{15}}{3\sqrt{6}} = a\sqrt{2}$ 을 만족하는 유리수 a 의 값은?

① 1

② 2

③ 3

④ 4

⑤ 5

12. $\sqrt{6} \div 3\sqrt{3} \times \frac{3}{\sqrt{12}} \div \frac{\sqrt{18}}{6} = a\sqrt{3}$ 일 때, a 의 값을 구하여라.



답: $a =$ _____

13. 다음 식을 간단히 나타낸 것 중 틀린 것은?

$$\textcircled{1} \frac{4}{\sqrt{10}} \times \sqrt{50} \div \sqrt{8} = \sqrt{10}$$

$$\textcircled{2} \frac{\sqrt{48}}{3} \div \sqrt{\frac{1}{6}} \times \left(-\frac{3}{\sqrt{2}}\right) = -12$$

$$\textcircled{3} 2\sqrt{21} \div \sqrt{7} \times \sqrt{3} = 6\sqrt{3}$$

$$\textcircled{4} \frac{2}{\sqrt{3}} \times \frac{\sqrt{3}}{\sqrt{5}} \times \frac{3\sqrt{5}}{\sqrt{6}} = \sqrt{6}$$

$$\textcircled{5} 3\sqrt{14} \div (-\sqrt{7}) \times \sqrt{6} = -6\sqrt{3}$$