

## 解答

### 1. 二重根号

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|---------------------------------------|---------------------------------------|
| (1) $\sqrt{6} + \sqrt{2}$             | (2) $\sqrt{15} - \sqrt{10}$           |
| (3) $\frac{\sqrt{14} - \sqrt{10}}{2}$ | (4) $\sqrt{7} + \sqrt{3}$             |
| (5) $\sqrt{13} - \sqrt{3}$            | (6) $\sqrt{17} + \sqrt{3}$            |
| (7) $\sqrt{10} - \sqrt{6}$            | (8) $3\sqrt{2} + \sqrt{5}$            |
| (9) $\sqrt{6} - \sqrt{5}$             | (10) $\frac{\sqrt{26} + \sqrt{2}}{2}$ |
| (11) $\frac{\sqrt{10} + \sqrt{6}}{2}$ | (12) $2\sqrt{3} - \sqrt{2}$           |
| (13) $\frac{\sqrt{14} + \sqrt{6}}{2}$ | (14) $\sqrt{14} - \sqrt{2}$           |
| (15) $\frac{\sqrt{34} - \sqrt{2}}{2}$ | (16) $\sqrt{6} + \sqrt{2}$            |

### 4. 二重根号

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|---------------------------------------|---------------------------------------|
| (1) $\frac{\sqrt{22} + \sqrt{6}}{2}$  | (2) $\frac{\sqrt{30} + \sqrt{2}}{2}$  |
| (3) $3\sqrt{2} + \sqrt{10}$           | (4) $\frac{\sqrt{14} - \sqrt{6}}{2}$  |
| (5) $\frac{\sqrt{34} - \sqrt{2}}{2}$  | (6) $\frac{\sqrt{14} + \sqrt{10}}{2}$ |
| (7) $2\sqrt{2} + \sqrt{3}$            | (8) $\sqrt{13} - \sqrt{3}$            |
| (9) $\frac{\sqrt{26} - \sqrt{6}}{2}$  | (10) $\sqrt{11} - 2\sqrt{2}$          |
| (11) $\frac{\sqrt{22} + \sqrt{2}}{2}$ | (12) $\sqrt{5} + \sqrt{2}$            |
| (13) $2\sqrt{5} - \sqrt{3}$           | (14) $\frac{\sqrt{26} + \sqrt{2}}{2}$ |
| (15) $\frac{\sqrt{14} + \sqrt{2}}{2}$ | (16) $\sqrt{17} - 2\sqrt{3}$          |

### 2. 二重根号

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|----------------------------------------|---------------------------------------|
| (1) $\frac{\sqrt{14} + \sqrt{2}}{2}$   | (2) $\frac{\sqrt{22} - \sqrt{2}}{2}$  |
| (3) $\frac{\sqrt{26} + \sqrt{6}}{2}$   | (4) $\frac{\sqrt{22} + \sqrt{6}}{2}$  |
| (5) $\frac{\sqrt{10} + \sqrt{2}}{2}$   | (6) $\sqrt{14} + \sqrt{10}$           |
| (7) $\frac{\sqrt{38} + \sqrt{2}}{2}$   | (8) $\sqrt{13} + \sqrt{5}$            |
| (9) $\sqrt{3} - \sqrt{2}$              | (10) $\sqrt{13} - 2\sqrt{2}$          |
| (11) $\frac{\sqrt{14} - \sqrt{10}}{2}$ | (12) $2\sqrt{2} + \sqrt{6}$           |
| (13) $2\sqrt{5} - \sqrt{11}$           | (14) $\frac{\sqrt{30} + \sqrt{2}}{2}$ |
| (15) $\sqrt{7} + \sqrt{6}$             | (16) $\frac{\sqrt{6} + \sqrt{2}}{2}$  |

### 3. 二重根号

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|---------------------------------------|---------------------------------------|
| (1) $\sqrt{5} + \sqrt{3}$             | (2) $\frac{\sqrt{42} - \sqrt{2}}{2}$  |
| (3) $\sqrt{6} + \sqrt{3}$             | (4) $\frac{\sqrt{34} + \sqrt{2}}{2}$  |
| (5) $\frac{\sqrt{22} + \sqrt{2}}{2}$  | (6) $\sqrt{6} - \sqrt{5}$             |
| (7) $\sqrt{10} - \sqrt{7}$            | (8) $\frac{\sqrt{26} - \sqrt{6}}{2}$  |
| (9) $\sqrt{15} + \sqrt{3}$            | (10) $2\sqrt{3} - \sqrt{10}$          |
| (11) $\sqrt{7} + \sqrt{3}$            | (12) $\frac{\sqrt{26} - \sqrt{2}}{2}$ |
| (13) $\frac{\sqrt{10} - \sqrt{2}}{2}$ | (14) $3\sqrt{2} - \sqrt{14}$          |
| (15) $\frac{\sqrt{14} - \sqrt{2}}{2}$ | (16) $\frac{\sqrt{38} - \sqrt{2}}{2}$ |