

★ヒント★

11. 平方根の計算

$$a > 0 \text{ のとき } \sqrt{a^2} = a$$

$$\text{例 1 : } \sqrt{4} = \sqrt{2^2} = 2$$

$$\text{例 2 : } \sqrt{9} = \sqrt{3^2} = 3$$

$$a > 0, b > 0 \text{ のとき } \sqrt{a^2 b} = a\sqrt{b} \quad \sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

$$\text{例 3 : } \sqrt{8} = \sqrt{2^2 \times 2} = 2\sqrt{2}$$

$$\text{例 4 : } \sqrt{12} = \sqrt{2^2 \times 3} = 2\sqrt{3}$$

$$\text{例 5 : } \sqrt{\frac{3}{16}} = \frac{\sqrt{3}}{\sqrt{16}} = \frac{\sqrt{3}}{\sqrt{4^2}} = \frac{\sqrt{3}}{4}$$