

平方根 加減法 分数の入った計算

NO.2

学習日 月 日

名前

/ 点

1	次の式を簡単にしなさい。
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(1)
$$\sqrt{32} + \frac{8}{\sqrt{2}}$$

(2)
$$\frac{\sqrt{18}}{3} + 6\sqrt{2}$$

(3)
$$\sqrt{48} + \frac{12}{\sqrt{3}}$$

(4)
$$\frac{\sqrt{50}}{5} + \frac{3}{\sqrt{2}}$$

2	次の式を簡単にしなさい。
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(1)
$$\sqrt{45} - \frac{9}{\sqrt{5}}$$

(2)
$$\frac{\sqrt{72}}{6} - 4\sqrt{2}$$

(3)
$$\sqrt{98} - \frac{14}{\sqrt{2}}$$

(4)
$$\frac{\sqrt{75}}{3} - \frac{10}{\sqrt{3}}$$

解答

$$\boxed{1} \quad (1) \quad 4\sqrt{2} + \frac{8\sqrt{2}}{2} \\ = 4\sqrt{2} + 4\sqrt{2} = 8\sqrt{2}$$

$$(2) \quad \frac{3\sqrt{2}}{3} + \frac{6\sqrt{2}}{2} \\ = \sqrt{2} + 3\sqrt{2} = 4\sqrt{2}$$

$$(3) \quad 4\sqrt{3} + \frac{12\sqrt{3}}{3} \\ = 4\sqrt{3} + 4\sqrt{3} = 8\sqrt{3}$$

$$(4) \quad \frac{5\sqrt{2}}{5} + \frac{3\sqrt{2}}{2} = \frac{2\sqrt{2}}{2} + \frac{3\sqrt{2}}{2} = \frac{5\sqrt{2}}{2}$$

$$\boxed{2} \quad (1) \quad 3\sqrt{5} - \frac{9\sqrt{5}}{5} = \frac{15\sqrt{5}}{5} - \frac{9\sqrt{5}}{5} = \frac{6\sqrt{5}}{5}$$

$$(2) \quad \frac{6\sqrt{2}}{6} - \frac{4\sqrt{2}}{2} \\ = \sqrt{2} - 2\sqrt{2} = -\sqrt{2}$$

$$(3) \quad 7\sqrt{2} - \frac{14\sqrt{2}}{2} \\ = 7\sqrt{2} - 7\sqrt{2} = 0$$

$$(4) \quad \frac{5\sqrt{3}}{3} - \frac{10\sqrt{3}}{3} = \frac{-5\sqrt{3}}{3}$$