

1 以下の式を計算しなさい

(1) $\sqrt{18} + \sqrt{2}$

(2) $-\sqrt{5} - \sqrt{20}$

(3) $\sqrt{50} - 2\sqrt{2}$

(4) $3\sqrt{27} - \sqrt{12}$

(5) $\sqrt{32} + \sqrt{8}$

(6) $-\sqrt{7} - \sqrt{28}$

(7) $\sqrt{45} - 3\sqrt{5}$

(8) $4\sqrt{18} - 2\sqrt{8}$

(9) $2\sqrt{50} + \sqrt{2}$

(10) $-2\sqrt{3} - \sqrt{48}$

解答

$$(1) \quad 3\sqrt{2} + \sqrt{2} = 4\sqrt{2}$$

$$(2) \quad -\sqrt{5} - 2\sqrt{5} = -3\sqrt{5}$$

$$(3) \quad 5\sqrt{2} - 2\sqrt{2} = 3\sqrt{2}$$

$$(4) \quad 3\sqrt{3} - 2\sqrt{3} = \sqrt{3}$$

$$(5) \quad 4\sqrt{2} + 2\sqrt{2} = 6\sqrt{2}$$

$$(6) \quad -\sqrt{7} - 2\sqrt{7} = -3\sqrt{7}$$

$$(7) \quad 3\sqrt{5} - 3\sqrt{5} = 0$$

$$(8) \quad 6\sqrt{2} - 4\sqrt{2} = 2\sqrt{2}$$

$$(9) \quad 10\sqrt{2} + \sqrt{2} = 11\sqrt{2}$$

$$(10) \quad -2\sqrt{3} - 4\sqrt{3} = -6\sqrt{3}$$