

1 以下の式を計算しなさい

(1) $\sqrt{5} + \sqrt{7}$

(2) $9\sqrt{6} - 4\sqrt{6}$

(3) $2\sqrt{3} + 4\sqrt{3} - \sqrt{3}$

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

(5) $5\sqrt{7} + 3 - 2\sqrt{7} - 1$

(6) $\sqrt{2} + \sqrt{11}$

(7) $8\sqrt{5} - 3\sqrt{5}$

(8) $3\sqrt{6} + 2\sqrt{6} - \sqrt{6}$

(9) $4\sqrt{8} + 6\sqrt{8} - 5\sqrt{8} + \sqrt{8}$

(10) $7\sqrt{3} + 2 - 3\sqrt{3} - 4$

解答

- (1) $\sqrt{5} + \sqrt{7}$ (そのまま)
- (2) $5\sqrt{6}$ (同類項の計算)
- (3) $5\sqrt{3}$ (同類項の計算)
- (4) $7\sqrt{2}$ (同類項の計算)
- (5) $3\sqrt{7} + 2$ (同類項の計算と定数項の計算)
- (6) $\sqrt{2} + \sqrt{11}$ (そのまま)
- (7) $5\sqrt{5}$ (同類項の計算)
- (8) $4\sqrt{6}$ (同類項の計算)
- (9) $5\sqrt{8}$ (同類項の計算)
- (10) $4\sqrt{3} - 2$ (同類項の計算と定数項の計算)