

力だめし 2章平方根

【解答】

1 (3点×4)

(1) ± 6 (2) 40

(3) 0.7 (4) 3

2 (4点×2)

(1) $\sqrt{37} > 6$ (2) $-6 < -\sqrt{30} < -5$

3 (4点)

48

4 (4点)

$\sqrt{7}$, $\sqrt{\frac{8}{36}}$

5 (4点×2)

(1) $3\sqrt{7}$ (2) $6\sqrt{6}$

6 (4点×3)

(1) $\frac{\sqrt{10}}{2}$ (2) $\frac{2\sqrt{2}}{3}$ (3) $\frac{\sqrt{6}}{3}$

7 (4点×3)

(1) 14.14 (2) 44.72 (3) 0.4472

8 (4点×8)

(1) -9 (2) $2\sqrt{2}$

(3) $4\sqrt{5}$ (4) $7\sqrt{3}$

(5) $\frac{3\sqrt{3}}{2}$ (6) $20 - \sqrt{15}$

(7) $-11 + \sqrt{21}$ (8) $23 - 6\sqrt{10}$

9 (4点)

$3 + 4\sqrt{3}$

10

(4点)

3, 8, 11