

【1】根号の中を簡単にする

(1) $6\sqrt{2}$

(2) $7\sqrt{2}$

(3) $6\sqrt{3}$

(4) $5\sqrt{5}$

(5) $7\sqrt{3}$

(6) $9\sqrt{2}$

(7) $10\sqrt{2}$

(8) $10\sqrt{3}$

【2】係数つきの根号を変形する

(9) $4\sqrt{3}$

(10) $9\sqrt{2}$

(11) $8\sqrt{5}$

(12) $15\sqrt{3}$

(13) $6\sqrt{5}$

(14) $15\sqrt{3}$

(15) $-8\sqrt{3}$

(16) $-16\sqrt{5}$

【3】根号の外の数を中に入れる

(17) $\sqrt{32}$

(18) $\sqrt{75}$

(19) $\sqrt{63}$

(20) $\sqrt{180}$

(21) $-\sqrt{24}$

(22) $-\sqrt{90}$

(23) $-\sqrt{3}$

(24) $\sqrt{12}$

【4】大小比較に使う変形

(25) $3\sqrt{2} < \sqrt{20}$

(26) $2\sqrt{5} > \sqrt{18}$

(27) $4\sqrt{3} > \sqrt{50}$

(28) $5\sqrt{2} > \sqrt{45}$

(29) $-2\sqrt{7} < -\sqrt{30}$

(30) $-3\sqrt{3} < -\sqrt{20}$

(31) $\frac{1}{2}\sqrt{12} > \sqrt{2}$

(32) $\frac{2}{3}\sqrt{27} > 3$