平方根 たし算・ひき算・有理化（20問）　版K

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $4/\sqrt{3}$ =

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

(3) $3\sqrt{3} + 4\sqrt{3}$ =

(4) $3\sqrt{6} - 7\sqrt{6}$ =

(5) $\sqrt{50} - \sqrt{8} - \sqrt{32}$ =

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

(7) $\sqrt{20} - \sqrt{80} + \sqrt{45}$ =

(8) $\sqrt{125} + \sqrt{80}$ =

(9) $1/\sqrt{2}$ =

(10) $\sqrt{48} + \sqrt{12} - \sqrt{27}$ =

(11) $\sqrt{50} + \sqrt{18} + \sqrt{8}$ =

(12) $5\sqrt{2} + 8\sqrt{2}$ =

(13) $4/\sqrt{6}$ =

(14) $\sqrt{3} - \sqrt{27}$ =

(15) $\sqrt{5}/\sqrt{3}$ =

(16) $5/\sqrt{5}$ =

(17) $3/\sqrt{3}$ =

(18) $3\sqrt{5} + 4\sqrt{5}$ =

(19) $\sqrt{6}/\sqrt{3}$ =

(20) $\sqrt{45} - \sqrt{80}$ =

平方根 たし算・ひき算・有理化（20問）　版Kの答え

※ √ の中の数が違うままたし算していないかを見てください（$\sqrt{2} + \sqrt{3}$ は $\sqrt{5}$ になりません）。

(1) $4/\sqrt{3}$
$= 4\sqrt{3}/3$

(2) $6\sqrt{6} + 5\sqrt{6}$
$= 11\sqrt{6}$

(3) $3\sqrt{3} + 4\sqrt{3}$
$= 7\sqrt{3}$

(4) $3\sqrt{6} - 7\sqrt{6}$
$= -4\sqrt{6}$

(5) $\sqrt{50} - \sqrt{8} - \sqrt{32}$
$= -\sqrt{2}$

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

(7) $\sqrt{20} - \sqrt{80} + \sqrt{45}$
$= \sqrt{5}$

(8) $\sqrt{125} + \sqrt{80}$
$= 9\sqrt{5}$

(9) $1/\sqrt{2}$
$= \sqrt{2}/2$

(10) $\sqrt{48} + \sqrt{12} - \sqrt{27}$
$= 3\sqrt{3}$

(11) $\sqrt{50} + \sqrt{18} + \sqrt{8}$
$= 10\sqrt{2}$

(12) $5\sqrt{2} + 8\sqrt{2}$
$= 13\sqrt{2}$

(13) $4/\sqrt{6}$
$= 2\sqrt{6}/3$

(14) $\sqrt{3} - \sqrt{27}$
$= -2\sqrt{3}$

(15) $\sqrt{5}/\sqrt{3}$
$= \sqrt{15}/3$

(16) $5/\sqrt{5}$
$= \sqrt{5}$

(17) $3/\sqrt{3}$
$= \sqrt{3}$

(18) $3\sqrt{5} + 4\sqrt{5}$
$= 7\sqrt{5}$

(19) $\sqrt{6}/\sqrt{3}$
$= \sqrt{2}$

(20) $\sqrt{45} - \sqrt{80}$
$= -\sqrt{5}$