平方根 たし算・ひき算・有理化（20問）　版G

なまえ：＿＿＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

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

(2) $\sqrt{5}/\sqrt{2}$ =

(3) $5/\sqrt{2}$ =

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

(5) $\sqrt{3} - \sqrt{12} - \sqrt{27}$ =

(6) $\sqrt{75} - \sqrt{48} + \sqrt{12}$ =

(7) $6/\sqrt{3}$ =

(8) $5/\sqrt{5}$ =

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

(10) $5\sqrt{6} + \sqrt{6}$ =

(11) $\sqrt{2}/\sqrt{6}$ =

(12) $\sqrt{20} + \sqrt{80}$ =

(13) $\sqrt{2} + \sqrt{50}$ =

(14) $8\sqrt{5} + 3\sqrt{5}$ =

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

(16) $9\sqrt{2} + 3\sqrt{2}$ =

(17) $\sqrt{3} - \sqrt{48}$ =

(18) $5\sqrt{3} - 9\sqrt{3}$ =

(19) $\sqrt{27} + \sqrt{12} + \sqrt{75}$ =

(20) $\sqrt{8} + \sqrt{2}$ =

平方根 たし算・ひき算・有理化（20問）　版G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) $1/\sqrt{2}$
$= \sqrt{2}/2$

(2) $\sqrt{5}/\sqrt{2}$
$= \sqrt{10}/2$

(3) $5/\sqrt{2}$
$= 5\sqrt{2}/2$

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

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

(6) $\sqrt{75} - \sqrt{48} + \sqrt{12}$
$= 3\sqrt{3}$

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

(8) $5/\sqrt{5}$
$= \sqrt{5}$

(9) $\sqrt{5} - 4\sqrt{5}$
$= -3\sqrt{5}$

(10) $5\sqrt{6} + \sqrt{6}$
$= 6\sqrt{6}$

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

(12) $\sqrt{20} + \sqrt{80}$
$= 6\sqrt{5}$

(13) $\sqrt{2} + \sqrt{50}$
$= 6\sqrt{2}$

(14) $8\sqrt{5} + 3\sqrt{5}$
$= 11\sqrt{5}$

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

(16) $9\sqrt{2} + 3\sqrt{2}$
$= 12\sqrt{2}$

(17) $\sqrt{3} - \sqrt{48}$
$= -3\sqrt{3}$

(18) $5\sqrt{3} - 9\sqrt{3}$
$= -4\sqrt{3}$

(19) $\sqrt{27} + \sqrt{12} + \sqrt{75}$
$= 10\sqrt{3}$

(20) $\sqrt{8} + \sqrt{2}$
$= 3\sqrt{2}$