平方根 たし算・ひき算・有理化（20問）　版M

なまえ：＿＿＿＿＿＿＿＿＿＿　　日づけ：＿＿＿＿＿＿

(1) $4/\sqrt{7} =$

(2) $\sqrt{5}/\sqrt{7} =$

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

(4) $\sqrt{12} + \sqrt{3} + \sqrt{75} =$

(5) $\sqrt{27} - \sqrt{75} =$

(6) $8\sqrt{6} + 3\sqrt{6} =$

(7) $18/\sqrt{6} =$

(8) $3/\sqrt{3} =$

(9) $6/\sqrt{2} =$

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

(11) $\sqrt{20} + \sqrt{45} =$

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

(13) $5\sqrt{3} + 4\sqrt{3} =$

(14) $3\sqrt{5} - 6\sqrt{5} =$

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

(16) $7\sqrt{6} - 6\sqrt{6} =$

(17) $\sqrt{80} - \sqrt{125} =$

(18) $10/\sqrt{5} =$

(19) $\sqrt{45} + \sqrt{80} =$

(20) $\sqrt{5}/\sqrt{6} =$

平方根 たし算・ひき算・有理化（20問）　版M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) $4/\sqrt{7}$
$= 4\sqrt{7}/7$

(2) $\sqrt{5}/\sqrt{7}$
$= \sqrt{35}/7$

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

(4) $\sqrt{12} + \sqrt{3} + \sqrt{75}$
$= 8\sqrt{3}$

(5) $\sqrt{27} - \sqrt{75}$
$= -2\sqrt{3}$

(6) $8\sqrt{6} + 3\sqrt{6}$
$= 11\sqrt{6}$

(7) $18/\sqrt{6}$
$= 3\sqrt{6}$

(8) $3/\sqrt{3}$
$= \sqrt{3}$

(9) $6/\sqrt{2}$
$= 3\sqrt{2}$

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

(11) $\sqrt{20} + \sqrt{45}$
$= 5\sqrt{5}$

(12) $8\sqrt{2} - 5\sqrt{2}$
$= 3\sqrt{2}$

(13) $5\sqrt{3} + 4\sqrt{3}$
$= 9\sqrt{3}$

(14) $3\sqrt{5} - 6\sqrt{5}$
$= -3\sqrt{5}$

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

(16) $7\sqrt{6} - 6\sqrt{6}$
$= \sqrt{6}$

(17) $\sqrt{80} - \sqrt{125}$
$= -\sqrt{5}$

(18) $10/\sqrt{5}$
$= 2\sqrt{5}$

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

(20) $\sqrt{5}/\sqrt{6}$
$= \sqrt{30}/6$