# 根号を含む式の乗法

年　組　名前

/16

■ 次の計算をしなさい。

① $\sqrt{2} \times \sqrt{28}$

② $\sqrt{33} \times \sqrt{24}$

③ $\sqrt{24} \times \sqrt{27}$

④ $\sqrt{39} \times \sqrt{12}$

⑤ $\sqrt{18} \times \sqrt{38}$

⑥ $\sqrt{2} \times \sqrt{8}$

⑦ $\sqrt{22} \times \sqrt{33}$

⑧ $\sqrt{38} \times 2\sqrt{2}$

⑨ $\sqrt{2} \times \sqrt{22}$

⑩ $\sqrt{28} \times \sqrt{35}$

⑪ $\sqrt{34} \times \sqrt{10}$

⑫ $\sqrt{24} \times \sqrt{8}$

⑬ $2\sqrt{6} \times \sqrt{38}$

⑭ $\sqrt{26} \times \sqrt{14}$

⑮ $\sqrt{6} \times \sqrt{40}$

⑯ $\sqrt{22} \times \sqrt{10}$

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■ 次の計算をしなさい。

① $\sqrt{2} \times \sqrt{28}$

$= \sqrt{2 \times 2 \times 2 \times 7}$

$= 2\sqrt{14}$

② $\sqrt{33} \times \sqrt{24}$

$= \sqrt{3 \times 11 \times 2 \times 2 \times 2 \times 3}$

$= 6\sqrt{22}$

③ $\sqrt{24} \times \sqrt{27}$

$= \sqrt{2 \times 2 \times 2 \times 3 \times 3 \times 3 \times 3}$

$= 18\sqrt{2}$

④ $\sqrt{39} \times \sqrt{12}$

$= \sqrt{3 \times 13 \times 2 \times 2 \times 3}$

$= 6\sqrt{13}$

⑤ $\sqrt{18} \times \sqrt{38}$

$= \sqrt{2 \times 3 \times 3 \times 2 \times 19}$

$= 6\sqrt{19}$

⑥ $\sqrt{2} \times \sqrt{8}$

$= \sqrt{2 \times 2 \times 2 \times 2}$

$= 4$

⑦ $\sqrt{22} \times \sqrt{33}$

$= \sqrt{2 \times 11 \times 3 \times 11}$

$= 11\sqrt{6}$

⑧ $\sqrt{38} \times 2\sqrt{2}$

$= 2\sqrt{2 \times 19 \times 2}$

$= 4\sqrt{19}$

⑨ $\sqrt{2} \times \sqrt{22}$

$= \sqrt{2 \times 2 \times 11}$

$= 2\sqrt{11}$

⑩ $\sqrt{28} \times \sqrt{35}$

$= \sqrt{2 \times 2 \times 7 \times 5 \times 7}$

$= 14\sqrt{5}$

⑪ $\sqrt{34} \times \sqrt{10}$

$= \sqrt{2 \times 17 \times 2 \times 5}$

$= 2\sqrt{85}$

⑫ $\sqrt{24} \times \sqrt{8}$

$= \sqrt{2 \times 2 \times 2 \times 3 \times 2 \times 2 \times 2}$

$= 8\sqrt{3}$

⑬ $2\sqrt{6} \times \sqrt{38}$

$= 2\sqrt{2 \times 3 \times 2 \times 19}$

$= 4\sqrt{57}$

⑭ $\sqrt{26} \times \sqrt{14}$

$= \sqrt{2 \times 13 \times 2 \times 7}$

$= 2\sqrt{91}$

⑮ $\sqrt{6} \times \sqrt{40}$

$= \sqrt{2 \times 3 \times 2 \times 2 \times 2 \times 5}$

$= 4\sqrt{15}$

⑯ $\sqrt{22} \times \sqrt{10}$

$= \sqrt{2 \times 11 \times 2 \times 5}$

$= 2\sqrt{55}$