

氏名 () 点数 _____

$$(1) 3\sqrt{3} \times (-2\sqrt{2})$$

$$= \underline{-6\sqrt{6}}$$

$$(2) \sqrt{12} \times \sqrt{18}$$

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

$$= \underline{6\sqrt{6}}$$

$$(3) \sqrt{24} \div \sqrt{2}$$

$$= \sqrt{12}$$

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

$$(4) \sqrt{3} \div \sqrt{5}$$

$$= \frac{\sqrt{3}}{\sqrt{5}}$$

$$= \underline{\frac{\sqrt{15}}{5}}$$

$$(5) \sqrt{24} \times \sqrt{56}$$

$$= \sqrt{3} \times \sqrt{8} \times \sqrt{8} \times \sqrt{7}$$

$$= 8 \times \sqrt{3} \times \sqrt{7}$$

$$= \underline{8\sqrt{21}}$$

$\sqrt{24} = \sqrt{3} \times \sqrt{8}$, $\sqrt{56} = \sqrt{8} \times \sqrt{7}$
 $\sqrt{8} \times \sqrt{8} = 8$

$$(6) \sqrt{60} \times \sqrt{6}$$

$$= \sqrt{10} \times \sqrt{6} \times \sqrt{6}$$

$$= 6 \times \sqrt{10}$$

$$= \underline{6\sqrt{10}}$$

$\sqrt{60} = \sqrt{10} \times \sqrt{6}$
 $\sqrt{6} \times \sqrt{6} = 6$

$$(7) \sqrt{30} \div \sqrt{5}$$

$$= \sqrt{30 \div 5}$$

$$= \underline{\sqrt{6}}$$

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

$$= \frac{3}{\sqrt{15}}$$

$$= \frac{3\sqrt{15}}{15}$$

$$= \underline{\frac{\sqrt{15}}{5}}$$

$$(9) \sqrt{60} \div \sqrt{3} \div \sqrt{8}$$

$$= \frac{\sqrt{60}^{20^5}}{\sqrt{3}_1 \times \sqrt{8}_2}$$

$$= \frac{\sqrt{5}}{\sqrt{2}}$$

$$= \underline{\frac{\sqrt{10}}{2}}$$

$$(10) 4\sqrt{6} \times 5\sqrt{2} \div 2\sqrt{3}$$

$$= \frac{{}_2^4 \sqrt{6}^2 \times 5\sqrt{2}}{{}_1^2 \sqrt{3}_1}$$

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

$$= 2 \times 5 \times 2$$

$$= \underline{20}$$