## 番 氏名

POINT

正の数a,bにおいて,

$$\sqrt{a} \times \sqrt{b} = \sqrt{ab}$$
,  $\frac{\sqrt{a}}{\sqrt{b}} = \sqrt{\frac{a}{b}}$ 

$$\sqrt{12} \times \sqrt{3} = \sqrt{\boxed{\phantom{0}}} \times \boxed{\phantom{0}}$$

$$= \sqrt{\boxed{\phantom{0}}}$$

$$= \boxed{\phantom{0}}$$

$$\sqrt{54} \div \sqrt{6} = \frac{\sqrt{54}}{\sqrt{6}}$$

$$= \sqrt{\boxed{\phantom{0}}}$$

(2) 次の計算をしなさい。

① 
$$\sqrt{7} \times \sqrt{5}$$

② 
$$\sqrt{2} \times \sqrt{8}$$

⑥ 
$$\sqrt{21} \div \sqrt{7}$$

$$\underbrace{0} \quad \frac{\sqrt{147}}{\sqrt{3}}$$

## POINT

正の数a,bにおいて,

$$\sqrt{a} \times \sqrt{b} = \sqrt{ab}$$
,  $\frac{\sqrt{a}}{\sqrt{b}} = \sqrt{\frac{a}{b}}$ 

- (1) 次の にあてはまる数を入れなさい。
- $\sqrt{12} \times \sqrt{3} = \sqrt{12} \times \boxed{3}$   $= \sqrt{36}$   $= \boxed{6}$

$$\sqrt{54} \div \sqrt{6} = \frac{\sqrt{54}}{\sqrt{6}}$$

$$= \sqrt{9}$$

$$\frac{\sqrt{42}}{\sqrt{7}} = \sqrt{\frac{42}{7}}$$

$$= \sqrt{6}$$

$$2 \sqrt{2} \times \sqrt{8}$$

$$= \sqrt{2 \times 8}$$

$$= \sqrt{16}$$

$$= 4$$

$$4 \sqrt{2} \times \sqrt{18}$$

$$= \sqrt{2 \times 18}$$

$$= \sqrt{36}$$

$$= 6$$

$$5 \quad \sqrt{27} \times \sqrt{3}$$

$$= \sqrt{27} \times 3$$

$$= \sqrt{81}$$

$$= 9$$

$$6 \quad \sqrt{21} \div \sqrt{7}$$

$$= \sqrt{\frac{21}{7}}$$

$$= \sqrt{3}$$

$$\begin{array}{rcl}
\boxed{7} & \sqrt{50} & \div \sqrt{2} \\
= & \sqrt{\frac{50}{2}} \\
= & \sqrt{25} \\
= & 5
\end{array}$$