

p.45

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$$(1) 2\sqrt{8} \div \sqrt{8}$$

$$= \frac{1 \times \sqrt{8} \sqrt{3}}{1 \times \sqrt{8}}$$

$$= \sqrt{3}$$

$$(2) 3\sqrt{30} \div \sqrt{90}$$

$$= \frac{3\sqrt{30} \sqrt{3}}{3\sqrt{90}}$$

$$= \sqrt{3}$$

$$(3) 2\sqrt{42} \div (-\sqrt{58})$$

$$= -\frac{1 \times \sqrt{42} \sqrt{6}}{1 \times \sqrt{58}}$$

$$= -\sqrt{6}$$

$$(4) \sqrt{189} \div 3\sqrt{6}$$

$$= \frac{1 \times \sqrt{189} \sqrt{7}}{3\sqrt{6} \sqrt{2}}$$

$$= \frac{\sqrt{7} \times \sqrt{2}}{\sqrt{3} \times \sqrt{2}}$$

$$= \frac{\sqrt{14}}{2}$$

$$(5) (-\sqrt{88}) \div 2\sqrt{10}$$

$$= -\frac{1 \times \sqrt{88} \sqrt{11}}{2\sqrt{10} \sqrt{5}}$$

$$= -\frac{\sqrt{11} \times \sqrt{5}}{\sqrt{5} \times \sqrt{5}}$$

$$= -\frac{\sqrt{55}}{5}$$

$$(6) (-\sqrt{27}) \div (-\sqrt{48})$$

$$= \frac{1 \times \sqrt{3} \sqrt{1}}{2\sqrt{6} \sqrt{2}}$$

$$= \frac{1 \times \sqrt{2}}{2\sqrt{2} \times \sqrt{2}}$$

$$= \frac{\sqrt{2}}{4}$$

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$$(1) \sqrt{3} \times \sqrt{5} \times \sqrt{6}$$

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

$$= 3\sqrt{10}$$

$$(2) \sqrt{2} \times \sqrt{7} \times \sqrt{2}$$

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

$$= 4\sqrt{7}$$

$$(3) \sqrt{96} \div 3\sqrt{3} \times \sqrt{18}$$

$$= \frac{4\sqrt{6} \times \sqrt{2}}{3\sqrt{3} \times \sqrt{2}}$$

$$= 8$$

$$(4) \sqrt{120} \div 2\sqrt{5} \div \sqrt{3}$$

$$= \frac{1 \times \sqrt{120} \sqrt{10} \sqrt{2}}{2\sqrt{5} \times \sqrt{3}}$$

$$= \sqrt{2}$$

$$(5) \sqrt{40} \times \sqrt{3} \div 2\sqrt{2}$$

$$= \frac{1 \times \sqrt{40} \times \sqrt{3}}{2\sqrt{2}}$$

$$= \sqrt{15}$$

$$(6) \sqrt{45} \times \sqrt{20} \div 6\sqrt{30}$$

$$= \frac{1 \times \sqrt{5} \times \sqrt{2} \sqrt{2}}{6\sqrt{30} \sqrt{3}}$$

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

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