

$$(14) \frac{4\sqrt{6}}{1} \times \left( -\frac{\sqrt{27}}{1} \right) \div \frac{\sqrt{12}}{1}$$

$$= -\frac{4\sqrt{6}}{1} \times \frac{\sqrt{27}}{1} \times \frac{1}{\sqrt{12}}$$

$$= -\frac{4\sqrt{27}}{\sqrt{2}}$$

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

$$\begin{array}{r} 3 \overline{) 27} \\ \underline{3} \phantom{0} \\ 3 \phantom{0} \\ \underline{3} \phantom{0} \\ 0 \phantom{0} \end{array}$$

$$= -\frac{2\cancel{4} \times 3\sqrt{3} \times \sqrt{2}}{2}$$

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

$$(15) \frac{2\sqrt{15}}{1} \div \frac{\sqrt{12}}{1} \times \frac{\sqrt{2}}{1}$$

$$= \frac{2\sqrt{15}}{1} \times \frac{1}{\sqrt{12}} \times \frac{\sqrt{2}}{1}$$

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

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

$$= \sqrt{10}$$