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$$\text{Ex: } \frac{24}{\sqrt{5} + \sqrt{6}}$$

$$\text{Ex: } \sqrt{\frac{108a^8}{b^2}} = \sqrt{\frac{2 \cdot 3 \cdot 3 \cdot 3 \cdot 3 \cdot a \cdot a \cdot a \cdot a \cdot a \cdot a \cdot a \cdot a}{\sqrt{b \cdot b}}} = \frac{6a^4\sqrt{3}}{b}$$

But in Web Assign: $\frac{6a^4\sqrt{3}}{|b|}$

$$\text{Ex: } \sqrt[6]{a^4} = \sqrt[6/2]{a^{4/2}} = \sqrt[3]{2}$$

$$\text{Ex: } \sqrt[9]{a^3 b^6 c^8} =$$

$$\text{Ex: } \sqrt[10]{32x^5} = \sqrt[10]{25x^5} \\ = \sqrt{2x}$$

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$$\begin{aligned} \sqrt[3]{16x^4} &= \sqrt[3]{2 \cdot 2 \cdot 2 \cdot 2 \cdot x \cdot x \cdot x \cdot x} \\ &= 2x \sqrt[3]{2x} \end{aligned}$$

4 4
2 2 2 2

Ex: $\sqrt[8]{9a^4} = \sqrt[8]{3^2 a^4} = \sqrt[4]{3a^3}$ or $\sqrt[4]{3a^2}$