$$
\begin{aligned}
& \sqrt{x^{4}}=x^{2} \\
& \sqrt[3]{y^{9}}=y^{3} \\
& \sqrt[3]{z^{35}}=z^{5} \\
& \sqrt[4]{x}=x^{1 / 3} \\
& \sqrt{x}=x^{1 / 2} \\
& w^{1 / 5}=\sqrt[5]{w} \\
& \left.8\right|^{1 / 3} \\
& \hline 16^{-1 / 4}=\frac{1}{81}=\frac{1}{16^{1 / 4}}=\frac{1}{\sqrt[4]{16}}=\frac{1}{2}
\end{aligned}
$$

$$
\begin{aligned}
& \sqrt[7]{x^{2}}=x^{2 / 2} \\
& \sqrt[3]{w^{5}}=w^{5 / 3} \\
& x^{2 / 3}=\sqrt[3]{x^{2}} \\
& y^{4 / 5}=\sqrt[5]{y^{4}} \\
& x^{m}=x^{m / n} \\
& 243^{3 / 5}=\sqrt[5]{243^{3}}=27 \\
& 5\left(x / 243^{\wedge} 3\right. \\
& 243^{\wedge} 3 \quad 5 \sqrt[5 x]{\operatorname{Ans}} .
\end{aligned}
$$

$$
\begin{aligned}
& x^{2} \cdot x^{5}=x^{7} \\
& x^{\frac{1}{3}} \cdot x^{\frac{2}{3}}=x^{\frac{5}{3}} \\
& x^{\frac{3}{5}} \cdot x^{\frac{1}{5}}=x^{\frac{5}{3}}=x \\
& x^{-\frac{4}{9}} \cdot x^{\frac{6}{9}}=x^{\frac{3}{7}} \\
& \frac{x^{\frac{4}{3}} \cdot x^{\frac{2}{3}}}{x^{\frac{1}{3}}}=\frac{x^{\frac{6}{3}}}{x^{\frac{1}{3}}}=x^{\frac{5}{3}}
\end{aligned}
$$

p. 420-421
,61-62

$$
18-22,24-27, \quad 30-38,61-62
$$

