p.724)46-54

$$40 \, \text{Smp}^2 \, \sqrt{3} \, \text{n}$$
 $47 \, 16 \, \text{s}^3 \, \text{t} \, \sqrt{\text{art}}$ $48 \, \frac{5 \, \sqrt{6} \, \text{ab}}{\text{b}^2}$

$$633\overline{X} + 4X\overline{X}$$

$$\overline{X^2}$$

Solutions

$$\sqrt{15} \sqrt{75} \, \text{m}^2 \, \text{np}^4 = \sqrt{35 \cdot 3 \cdot \text{m}^2 \cdot \text{n} \cdot \text{p}^4} = \sqrt{5} \, \text{mp}^2 \, \sqrt{3} \, \text{n}$$

$$(f)$$
 $\sqrt{512}$ rs⁶ · $\sqrt{t^3}$ = $\sqrt{512}$ rs⁶ · t^3 = $\sqrt{256}$ · 2 · 1 · 2 · 1 · 2 ·

$$\frac{48}{4b^3} \int \frac{600a}{4b^3} = \frac{\sqrt{600a}}{\sqrt{4b^3}} = \frac{\sqrt{100 \cdot 6 \cdot a}}{\sqrt{4 \cdot b^2 \cdot b}} = \frac{10\sqrt{6a}}{2b\sqrt{b}} \cdot \frac{\sqrt{b}}{\sqrt{b}} = \frac{\sqrt{500ab}}{2b^2} = \frac{5\sqrt{6ab}}{b^2}$$

$$\frac{50gh^{2}}{125f^{3}} = \frac{\sqrt{50gh^{2}}}{\sqrt{125f^{3}}} = \frac{\sqrt{a5\cdot 2\cdot g\cdot h^{2}}}{\sqrt{a5\cdot 5\cdot f^{2}\cdot f}} = \frac{5h\sqrt{2g}}{5f\sqrt{5f}} = \frac{5h\sqrt{10gf}}{5f\cdot 5f} = \frac{8h\sqrt{10gf}}{5f\cdot 5f^{2}} = \frac{5h\sqrt{10gf}}{5f^{2}} = \frac{8h\sqrt{10gf}}{5f^{2}} = \frac{8h\sqrt{10gf$$

$$= \sqrt{3} \cdot \sqrt{15} = \sqrt{45} = \sqrt{9 \cdot 5} = 3\sqrt{5} = \sqrt{15}$$

$$2\sqrt{15} \cdot \sqrt{15} = 30 = 30 = 10$$

$$\frac{3}{\sqrt{X^{3}}} + \frac{4}{\sqrt{X}} = \frac{3}{\sqrt{X^{3}}} + \frac{4}{\sqrt{X}} \cdot \frac{\sqrt{X^{2}}}{\sqrt{X^{2}}} = \frac{3}{\sqrt{X^{3}}} + \frac{4\sqrt{X^{2}}}{\sqrt{X^{3}}} = \frac{3+4x}{\sqrt{X^{2} \cdot X}} = \frac{(3+4x) \cdot \sqrt{X}}{\sqrt{X}} = \frac{3\sqrt{X} + 4x\sqrt{X}}{\sqrt{X^{2}}}$$

$$\frac{6m}{\sqrt{m^3}} = \frac{8}{\sqrt{m^2}} = \frac{6m}{\sqrt{m^2}} = \frac{8m}{\sqrt{m^2}} = \frac{2m}{\sqrt{m^3}} = \frac{-2m}{\sqrt{m^2} \cdot m} = \frac{-2m}{\sqrt{m}} = \frac{-2m\sqrt{m}}{\sqrt{m}} = \frac{2m\sqrt{m}}{\sqrt{m}} = \frac{-2m\sqrt{m}}{\sqrt{m}} = \frac{-2m\sqrt{m}}{\sqrt{m}} = \frac{-2m\sqrt{m}}{$$

