

$$38. \left(a^{-\frac{2}{3}}\right)^{-\frac{1}{2}} = a^{\frac{2}{18}} = a^{\frac{1}{9}}$$

$$\sqrt[3]{x}$$

$$\sqrt{x}$$

$$2^{\frac{1}{2}}$$

$$2^{\frac{1}{2}}$$

$$r = \left(\frac{3V}{4\pi}\right)^{\frac{1}{3}}$$

$$r = \sqrt[3]{\frac{3V}{4\pi}}$$

$$(33) \quad r = \sqrt[3]{\frac{3(413)}{4\pi}}$$

$$\sqrt[3]{\left(\frac{3 \times 413}{4\pi}\right)}$$

$$r = 4.62 \text{ in}$$

$$37. \left(b^{\frac{1}{\cancel{3}}}\right)^{\frac{\cancel{3}}{5}} = b^{\frac{3}{15}} = b^{\frac{1}{5}}$$