

2.6 Exponential Notation (continued)

Rational Exponents

$$27^{\frac{1}{3}} =$$

$$0.49^{\frac{1}{2}} =$$

$$-64^{\frac{1}{3}} =$$

$$\left(\frac{16}{81}\right)^{\frac{1}{4}} =$$

$$100^{-\frac{1}{2}} =$$

$$\frac{2^x \cdot 16^x}{\left(\frac{1}{2}\right)^x} =$$

$$27^{\frac{4}{3}} =$$

$$-0.04^{\frac{3}{2}} =$$

$$\frac{27^{-\frac{2}{3}}}{8} =$$

$$0.36^{1.5} =$$

$$\frac{7^{\frac{3}{8}}}{7^{-\frac{1}{8}}} =$$

$$5^{\frac{2}{3}} \cdot 5^{\frac{1}{2}} =$$

$$\sqrt[4]{32^2} =$$

$$\sqrt{27} \times \sqrt[3]{3} =$$