

1. Evaluate

$$\sqrt{0}$$

$$\sqrt{1}$$

$$\sqrt{4}$$

$$\sqrt{100}$$

$$64^{\frac{1}{2}}$$

$$\sqrt{81}$$

2. Evaluate:

$$\sqrt[3]{0}$$

$$\sqrt[3]{1}$$

$$8^{\frac{1}{3}}$$

$$\sqrt[3]{-1}$$

$$\sqrt[3]{-8}$$

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

3. Write as a single power:

$$2^{\frac{1}{2}} \times 3^{\frac{1}{2}}$$

$$\sqrt{2} \times \sqrt{3}$$

$$(-5)^{\frac{11}{2}} \times (-5)^{\frac{3}{2}}$$

$$\sqrt{7} \div 7^{\frac{5}{2}}$$

$$5^{-\frac{11}{2}} \div 5^{\frac{3}{2}}$$

$$\sqrt{7} \div 7^{\frac{5}{2}}$$

4. Write as a single power:

$$\frac{12^{\frac{1}{2}}}{3^{\frac{1}{2}}}$$

$$\frac{\sqrt{20}}{\sqrt{4}}$$

$$\frac{5^{\frac{11}{2}}}{5^{\frac{3}{2}}}$$

$$\frac{\sqrt{34}}{17^{\frac{1}{2}}}$$

$$\frac{35^{-\frac{1}{2}}}{35^{-\frac{13}{2}}}$$

$$\frac{\sqrt{7}}{7^{\frac{15}{4}}}$$

5. Evaluate:

$$2^{\frac{1}{2}} \times 8^{\frac{1}{2}}$$

$$\sqrt{2} \times \sqrt{2}$$

$$5^{\frac{11}{2}} \times 5^{-\frac{7}{2}}$$

$$\sqrt{7} \div 7^{\frac{3}{2}}$$

$$(-5)^{\frac{7}{2}} \div (-5)^{\frac{3}{2}}$$

$$\sqrt{9} \div 9^{\frac{1}{2}}$$