

FRACTIONS AND RADICALS

1. NO FRACTIONS INSIDE OF A RADICAL

2. NO RADICALS IN DENOMINATOR

① $\frac{3}{\sqrt{5}}$
 $\frac{3}{\sqrt{5}} \cdot \frac{\sqrt{5}}{\sqrt{5}}$
 $\frac{3\sqrt{5}}{\sqrt{5 \cdot 5}}$
 $\frac{3\sqrt{5}}{5}$

② $\frac{7}{\sqrt{28}}$
 $\frac{7}{\sqrt{2 \cdot 2 \cdot 7}}$
 $\frac{7}{2\sqrt{7}}$
 $\frac{7}{2\sqrt{7}} \cdot \frac{\sqrt{7}}{\sqrt{7}}$
 $\frac{7\sqrt{7}}{2\sqrt{7 \cdot 7}}$
 $\frac{7\sqrt{7}}{2 \cdot 7}$
 $\frac{\sqrt{7}}{2}$

③ $\frac{\sqrt{7}}{\sqrt{x}}$
 $\frac{\sqrt{7}}{\sqrt{x}} \cdot \frac{\sqrt{x}}{\sqrt{x}}$
 $\frac{\sqrt{7x}}{\sqrt{x \cdot x}}$
 $\frac{\sqrt{7x}}{x}$

④ $\frac{\sqrt[3]{-9}}{\sqrt[3]{x}}$
 $\frac{\sqrt[3]{-9}}{\sqrt[3]{x}} \cdot \frac{\sqrt[3]{x \cdot x}}{\sqrt[3]{x \cdot x}}$
 $\frac{\sqrt[3]{-9 \cdot x \cdot x}}{\sqrt[3]{x \cdot x \cdot x}}$
 $-\frac{\sqrt[3]{9x^2}}{x}$

⑤ $\frac{4}{\sqrt[5]{64x^3}}$
 $\frac{4}{\sqrt[5]{2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot x \cdot x \cdot x}}$
 $\frac{4^2}{2^2 \sqrt[5]{2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot x \cdot x \cdot x}}$

$\frac{2}{\sqrt[5]{2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot x \cdot x \cdot x}}$
 $\frac{2 \sqrt[5]{16x^2}}{2x}$
 $\frac{\sqrt[5]{16x^2}}{x}$