Name

Radicals - Division with Mixed Index and Power of Radicand (Fraction) - Integer over Radical

1 What does this radical expression simplify to?

$$\frac{32}{\sqrt[3]{32^3}}$$

A $\frac{25}{32}$ B 1 C $\frac{61}{64}$ D $\frac{65}{18}$ E $\frac{13}{6}$

2 What does this radical expression simplify to?

$$\frac{16}{\sqrt{216^2}}$$

A $\frac{2}{197}$ B $\frac{16}{83}$ C $\frac{16}{393}$ D $\frac{2}{27}$ E $\frac{3}{130}$

3 What does this radical expression simplify to?

$$\frac{64}{\sqrt[3]{8^4}}$$

A $\frac{6}{5}$ B $\frac{121}{20}$ C 4 D $\frac{2}{3}$ E $\frac{101}{13}$

4 What does this radical expression simplify to?

$$\frac{64}{\sqrt[3]{64^3}}$$

A $\frac{23}{104}$ B $\frac{49}{10}$ C $\frac{39}{97}$ D 1 E $\frac{13}{8}$

5 What does this radical expression simplify to?

$$\frac{216}{\sqrt[3]{64^2}}$$

A $\frac{27}{2}$ B $\frac{323}{30}$ C $\frac{87}{14}$ D $\frac{417}{31}$ E $\frac{34}{15}$

6 What does this radical expression simplify to?

$$\frac{32}{\sqrt[3]{8^2}}$$

A 10 B $\frac{3}{2}$ C $\frac{27}{11}$ D 8 E $\frac{46}{9}$

7 What does this radical expression simplify to?

$$\frac{8}{\sqrt[3]{16^3}}$$

A $\frac{1}{2}$ B $\frac{17}{9}$ C $\frac{1}{4}$ D $\frac{3}{4}$ E $\frac{5}{3}$

8 What does this radical expression simplify to?

$$\frac{16}{\sqrt{32^2}}$$

A $\frac{3}{34}$ B $\frac{9}{14}$ C $\frac{20}{3}$ D $\frac{1}{2}$ E $\frac{25}{13}$