Name

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

1 What does this radical expression simplify to?

$$\frac{\sqrt{64^2}}{36}$$

A $\frac{54}{53}$ B $\frac{16}{9}$ C $\frac{9}{26}$ D 4 E $\frac{31}{22}$

2 What does this radical expression simplify to?

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

A $\frac{9}{16}$ B $\frac{8}{127}$ C $\frac{15}{32}$ D $\frac{10}{7}$ E $\frac{37}{130}$

3 What does this radical expression simplify to?

$$\frac{\sqrt{9^4}}{81}$$

A 2 B $\frac{33}{119}$ C 1 D $\frac{21}{107}$ E $\frac{53}{21}$

4 What does this radical expression simplify to?

$$\frac{\sqrt[3]{8^2}}{27}$$

A $\frac{3}{29}$ B $\frac{4}{27}$ C $\frac{1}{16}$ D $\frac{1}{21}$ E $\frac{2}{57}$

5 What does this radical expression simplify to?

$$\frac{\sqrt{9^3}}{16}$$

A $\frac{42}{19}$ B $\frac{17}{14}$ C $\frac{20}{27}$ D 1 E $\frac{27}{16}$

6 What does this radical expression simplify to?

$$\frac{\sqrt[3]{27^4}}{27}$$

A $\frac{161}{4}$ B $\frac{32}{47}$ C $\frac{46}{3}$ D 3 E $\frac{53}{4}$

7 What does this radical expression simplify to?

$$\frac{\sqrt{4^3}}{16}$$

A $\frac{3}{20}$ B $\frac{3}{5}$ C $\frac{2}{19}$ D $\frac{14}{27}$ E $\frac{1}{2}$

8 What does this radical expression simplify to?

$$\frac{\sqrt{9^3}}{36}$$

A $\frac{11}{30}$ B $\frac{1}{13}$ C $\frac{17}{12}$ D $\frac{54}{29}$ E $\frac{3}{4}$