mobius

Radicals - Division with Common Factor - 1 Term over 2 Terms to Fraction

1 What does this radical expression simplify to?

$$\frac{\sqrt{75}}{\sqrt{27}+\sqrt{75}}$$

A $\dfrac{1}{6}$ B $\dfrac{5}{4}$ C $\dfrac{2}{3}$ D $\dfrac{5}{8}$ E $\dfrac{9}{7}$

2 What does this radical expression simplify to?

$$\frac{\sqrt{99}}{\sqrt{44}+\sqrt{99}}$$

A $\dfrac{3}{4}$ B $\dfrac{3}{7}$ C $\dfrac{1}{6}$ D $\dfrac{1}{10}$ E $\dfrac{3}{5}$

3 What does this radical expression simplify to?

$$\frac{\sqrt{12}}{\sqrt{12}+\sqrt{75}}$$

A $\dfrac{2}{7}$ B $\dfrac{5}{17}$ C $\dfrac{5}{8}$ D $\dfrac{1}{16}$ E $\dfrac{1}{6}$

4 What does this radical expression simplify to?

$$\frac{\sqrt{28}}{\sqrt{28}+\sqrt{28}}$$

A $\dfrac{2}{7}$ B $\dfrac{5}{8}$ C $\dfrac{1}{3}$ D $\dfrac{1}{2}$ E $\dfrac{2}{5}$

5 What does this radical expression simplify to?

$$\frac{\sqrt{8}}{\sqrt{18}+\sqrt{50}}$$

A $\dfrac{1}{6}$ B $\dfrac{3}{7}$ C $\dfrac{1}{4}$ D $\dfrac{5}{8}$ E $\dfrac{3}{16}$

6 What does this radical expression simplify to?

$$\frac{\sqrt{50}}{\sqrt{8}+\sqrt{50}}$$

A $\dfrac{11}{17}$ B $\dfrac{5}{8}$ C $\dfrac{3}{4}$ D $\dfrac{5}{7}$ E $\dfrac{3}{17}$

7 What does this radical expression simplify to?

$$\frac{\sqrt{28}}{\sqrt{63}+\sqrt{28}}$$

A $\dfrac{1}{10}$ B $\dfrac{2}{13}$ C $\dfrac{2}{5}$ D $\dfrac{2}{3}$ E $\dfrac{3}{13}$

8 What does this radical expression simplify to?

$$\frac{\sqrt{18}}{\sqrt{8}+\sqrt{18}}$$

A $\dfrac{3}{8}$ B $\dfrac{1}{2}$ C $\dfrac{2}{9}$ D $\dfrac{3}{7}$ E $\dfrac{3}{5}$