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

1 What does this radical expression simplify to?

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

A $\dfrac{7}{3}$ B $\dfrac{3}{10}$ C $\dfrac{4}{5}$

D $\dfrac{1}{4}$ E $\dfrac{1}{2}$

2 What does this radical expression simplify to?

$$\frac{\sqrt{75} + \sqrt{27}}{\sqrt{12}}$$

A $\dfrac{16}{5}$ B 2 C 4

D $\dfrac{8}{5}$ E $\dfrac{16}{7}$

3 What does this radical expression simplify to?

$$\frac{\sqrt{20} + \sqrt{20}}{\sqrt{125}}$$

A 3 B $\dfrac{6}{11}$ C $\dfrac{4}{5}$

D $\dfrac{7}{5}$ E $\dfrac{1}{5}$

4 What does this radical expression simplify to?

$$\frac{\sqrt{147} + \sqrt{27}}{\sqrt{147}}$$

A 1 B $\dfrac{7}{15}$ C $\dfrac{5}{7}$

D $\dfrac{10}{7}$ E $\dfrac{1}{4}$

5 What does this radical expression simplify to?

$$\frac{\sqrt{27} + \sqrt{75}}{\sqrt{147}}$$

A $\dfrac{1}{6}$ B $\dfrac{1}{16}$ C $\dfrac{8}{7}$

D $\dfrac{8}{13}$ E $\dfrac{5}{17}$

6 What does this radical expression simplify to?

$$\frac{\sqrt{20} + \sqrt{20}}{\sqrt{45}}$$

A $\dfrac{7}{6}$ B $\dfrac{3}{2}$ C $\dfrac{1}{2}$

D $\dfrac{4}{3}$ E $\dfrac{1}{7}$

7 What does this radical expression simplify to?

$$\frac{\sqrt{75} + \sqrt{75}}{\sqrt{147}}$$

A $\dfrac{10}{7}$ B $\dfrac{17}{14}$ C $\dfrac{14}{3}$

D $\dfrac{7}{4}$ E $\dfrac{7}{6}$

8 What does this radical expression simplify to?

$$\frac{\sqrt{98} + \sqrt{8}}{\sqrt{18}}$$

A $\dfrac{1}{2}$ B 6 C $\dfrac{19}{5}$

D 3 E 1