



Radicals - Divide Binomials (Values Only)



1 Divide the radical expressions and simplify the answer

$$\frac{2 - \sqrt{5}}{2 - \sqrt{7}}$$

A $\frac{4 + 2\sqrt{7} - 2\sqrt{5} + 2}{-3}$

B $\frac{4 + \sqrt{7} - 2\sqrt{5} - 2\sqrt{35}}{2}$

C $\frac{4 + 2\sqrt{7} - 2\sqrt{5} - \sqrt{35}}{-3}$

D $\frac{4 + 2\sqrt{7} - 2\sqrt{5} - \sqrt{35}}{-3\sqrt{3}}$

E $\frac{1 + 2\sqrt{7} - 2\sqrt{5} + \sqrt{35}}{3}$

2 Divide the radical expressions and simplify the answer

$$\frac{3 - \sqrt{11}}{\sqrt{5} - 3}$$

A $\frac{3\sqrt{5} - 9 - 2\sqrt{55} + 3\sqrt{11}}{-4}$

B $\frac{3\sqrt{5} + 1 - \sqrt{55} - 3\sqrt{11}}{5}$

C $\frac{3\sqrt{5} + 9\sqrt{2} - \sqrt{55} - \sqrt{11}}{5}$

D $\frac{3\sqrt{5} + 9 - \sqrt{55} - 3\sqrt{11}}{-4}$

E $\frac{3\sqrt{5} + 9 - \sqrt{55} + 3}{5}$

3 Divide the radical expressions and simplify the answer

$$\frac{4 + \sqrt{7}}{4 + \sqrt{7}}$$

A $\frac{1}{\sqrt{2}}$

B $\frac{\sqrt{4}}{\sqrt{4}}$

C $\frac{5}{\sqrt{4}}$

D $\frac{1}{\sqrt{2}}$

4 Divide the radical expressions and simplify the answer

$$\frac{2 + \sqrt{11}}{5 + \sqrt{7}}$$

A $\frac{10 - \sqrt{7} + \sqrt{11} - \sqrt{77}}{18}$

B $\frac{10 - \sqrt{7} - 3\sqrt{11} - \sqrt{77}}{18}$

C $\frac{4 - 2\sqrt{7} + 5\sqrt{11} + 1}{10}$

D $\frac{10 - 2\sqrt{7} + 5\sqrt{11} - 3\sqrt{77}}{10}$

E $\frac{10 - 2\sqrt{7} + 5\sqrt{11} - \sqrt{77}}{18}$

5 Divide the radical expressions and simplify the answer

$$\frac{3 + \sqrt{11}}{\sqrt{7} + 2}$$

A $\frac{3\sqrt{7} - 6 + \sqrt{77} - 2\sqrt{11}}{3}$

B $\frac{3\sqrt{7} - 6 + \sqrt{77} - \sqrt{2}}{5}$

C $\frac{4 + 6 + \sqrt{77} - 2\sqrt{11}}{5}$

D $\frac{3\sqrt{7} - 6 + 5\sqrt{77} - 3\sqrt{11}}{3}$

E $\frac{\sqrt{7} + 6 - \sqrt{77} - 2}{4}$

6 Divide the radical expressions and simplify the answer

$$\frac{2 - \sqrt{5}}{4 - \sqrt{3}}$$

A $\frac{1 + 2\sqrt{3} - 4\sqrt{5} - \sqrt{15}}{13}$

B $\frac{8 - \sqrt{3} + 4\sqrt{5} - \sqrt{15}}{13}$

C $\frac{1 + 2 - 4\sqrt{5} - \sqrt{15}}{13}$

D $\frac{8 + 2\sqrt{3} - 4\sqrt{5} - \sqrt{15}}{13}$

E $\frac{8 + \sqrt{3} - \sqrt{5} - \sqrt{15}}{13}$

7 Divide the radical expressions and simplify the answer

$$\frac{4 + \sqrt{7}}{4 - \sqrt{3}}$$

A $\frac{1 - 4\sqrt{3} + 4\sqrt{7} + 2\sqrt{21}}{3}$

B $\frac{16 + 4\sqrt{3} + 4\sqrt{3} + \sqrt{21}}{3}$

C $\frac{1 + \sqrt{3} + 4\sqrt{7} + \sqrt{21}}{16}$

D $\frac{16 + 3\sqrt{3} + 3\sqrt{7} - \sqrt{21}}{16}$

E $\frac{16 + 4\sqrt{3} + 4\sqrt{7} + \sqrt{21}}{13}$

8 Divide the radical expressions and simplify the answer

$$\frac{2 - \sqrt{11}}{\sqrt{13} + 5}$$

A $\frac{2\sqrt{13} - 1 - \sqrt{143} + 5}{-12}$

B $\frac{2\sqrt{13} - 10 - \sqrt{143} + 5\sqrt{11}}{-12}$

C $\frac{2\sqrt{13} - 1 - \sqrt{143} + 5}{2}$

D $\frac{2\sqrt{13} - 3 - \sqrt{143} + \sqrt{11}}{2}$

E $\frac{2\sqrt{13} - 10\sqrt{3} - \sqrt{143} + 5\sqrt{11}}{3}$