

Nama:

Kelas:

No Absen:

MERASIONALKAN BENTUK AKAR



Buat anak panah untuk memasangkan bentuk akar dan sekawannya.

$$\frac{a}{\sqrt{b}} \bullet$$

$$\frac{c}{\sqrt{a} + \sqrt{b}} \bullet$$

$$\frac{c}{\sqrt{a} - \sqrt{b}} \bullet$$

$$\frac{c}{a + \sqrt{b}} \bullet$$

$$\frac{c}{a - \sqrt{b}} \bullet$$

$$\bullet \frac{\sqrt{a} + \sqrt{b}}{\sqrt{a} + \sqrt{b}}$$

$$\bullet \frac{\sqrt{b}}{\sqrt{b}}$$

$$\bullet \frac{a - \sqrt{b}}{a - \sqrt{b}}$$

$$\bullet \frac{a + \sqrt{b}}{a + \sqrt{b}}$$

$$\bullet \frac{\sqrt{a} - \sqrt{b}}{\sqrt{a} - \sqrt{b}}$$

Rasionalkan bentuk akar di bawah ini.

1 $\frac{2}{\sqrt[4]{3^3}} = \frac{2}{\sqrt[4]{3^3}} \times \frac{\sqrt[4]{\square}}{\sqrt[4]{\square}} = \frac{2\sqrt[4]{\square}}{\square}$

2 $\frac{\sqrt{3} + \sqrt{2}}{\sqrt{3}} = \frac{\sqrt{3} + 2}{\sqrt{3}} \times \frac{\sqrt{\square}}{\sqrt{\square}} = \frac{\dots + \dots \sqrt{\square}}{\dots} = 1 + \frac{\square}{\square} \sqrt{3}$

3 $\frac{2}{\sqrt{2} + \sqrt{5}} = \frac{2}{\sqrt{2} + \sqrt{5}} \times \frac{\sqrt{\square} - \sqrt{\square}}{\sqrt{\square} - \sqrt{\square}} = \frac{\dots (\sqrt{\square} \dots \sqrt{\square})}{\dots - \dots} = \frac{\dots (\sqrt{\square} \dots \sqrt{\square})}{\dots}$

4 $\frac{4}{\sqrt{6} - 2} = \dots (\sqrt{\square} \dots \square)$

5 $\frac{1}{\sqrt{3} - \sqrt{2}} = \sqrt{\square} \dots \sqrt{\square}$