

Nama:

Rombel:

NIS:

MERASIONALKAN BENTUK AKAR



Buat anak panah untuk memasangkan bentuk akar dan sekawannya.

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

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

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

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

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

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

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

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

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

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

Rasionalkan bentuk akar di bawah ini.

$$1 \quad \frac{2}{3\sqrt{5}} = \frac{\dots}{\dots \sqrt{5}} \times \frac{\sqrt{\dots}}{\sqrt{\dots}} = \frac{\dots \sqrt{5}}{(\dots)(\dots)} = \frac{\dots}{\dots} \sqrt{5}$$

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

$$3 \quad \frac{2}{\sqrt{2}+3} = \frac{2}{\sqrt{2}+3} \times \frac{\sqrt{2}\dots 3}{\sqrt{2}\dots 3} = \frac{\dots(\sqrt{2}\dots 3)}{(\sqrt{2})^2 - (\dots)^2} = \frac{\dots(\sqrt{2}-\dots)}{\dots - \dots} = \frac{\sqrt{2}-\dots}{\dots} = \dots\sqrt{2} + \dots$$

$$4 \quad \frac{3}{\sqrt{3}-\sqrt{6}} = \frac{3}{\sqrt{3}-\sqrt{6}} \times \frac{\sqrt{3}\dots\sqrt{6}}{\sqrt{3}\dots\sqrt{6}} = \frac{\dots(\sqrt{3}\dots\sqrt{6})}{(\sqrt{\dots})^2 - (\sqrt{\dots})^2} = \frac{\dots(\sqrt{3}\dots\sqrt{6})}{\dots} = \frac{\dots(\sqrt{3}\dots\sqrt{6})}{\dots - \dots} = \dots\sqrt{\dots} - \dots\sqrt{\dots}$$