

分母を有理化せよ。

$$(1) \frac{1}{\sqrt{3}+1}$$

$$(6) \frac{3}{\sqrt{2}+1}$$

$$(2) \frac{1}{3+\sqrt{2}}$$

$$(7) \frac{2}{2+\sqrt{3}}$$

$$(3) \frac{1}{\sqrt{3}+\sqrt{2}}$$

$$(8) \frac{\sqrt{2}}{\sqrt{2}-1}$$

$$(4) \frac{1}{\sqrt{2}-1}$$

$$(9) \frac{\sqrt{3}}{2+\sqrt{3}}$$

$$(5) \frac{1}{2-\sqrt{2}}$$

$$(10) \frac{\sqrt{2}}{\sqrt{3}-\sqrt{2}}$$