

$$\sqrt{28} - \frac{\sqrt{27} - \sqrt{3}}{\sqrt{21}} \quad \text{を簡単にしなさい。}$$

$$\begin{aligned}\sqrt{28} - \frac{\sqrt{27} - \sqrt{3}}{\sqrt{21}} &= 2\sqrt{7} - \frac{3\sqrt{3} - \sqrt{3}}{\sqrt{21}} \\ &= 2\sqrt{7} - \frac{2\sqrt{3}}{\sqrt{3} \times \sqrt{7}} \\ &= 2\sqrt{7} - \frac{2}{\sqrt{7}} \\ &= 2\sqrt{7} - \frac{2\sqrt{7}}{7} \\ &= \frac{12\sqrt{7}}{7}\end{aligned}$$