

$$\begin{aligned}
 (2) \quad & \sqrt{18} - 5\sqrt{2} + \sqrt{27} \\
 = & \sqrt{3 \times 3 \times 2} - 5\sqrt{2} + \sqrt{3 \times 3 \times 3} \\
 = & \sqrt{3^2 \times 2} - 5\sqrt{2} + \sqrt{3^2 \times 3} \\
 = & 3\sqrt{2} - 5\sqrt{2} + 3\sqrt{3} \\
 = & \frac{-2\sqrt{2} + 3\sqrt{3}}{\quad} \quad \#
 \end{aligned}$$

これとこは整理できませんよ。

$$(4) \quad \frac{6}{\sqrt{3}} - \sqrt{27} = \frac{6\sqrt{3}}{\sqrt{3} \times \sqrt{3}} - \sqrt{3 \times 3 \times 3}$$

まず有理化しよう

$$= \frac{2\cancel{6}\sqrt{3}}{\cancel{3}_1} - \sqrt{3^2 \times 3}$$

$$= 2\sqrt{3} - 3\sqrt{3} \rightarrow \text{あんたら仲間やったのね}$$

$$= -\sqrt{3}$$