

Correct.

$$\begin{aligned}\sqrt{300x^2y^2} - 3\sqrt{27x^2y^2} &= \sqrt{100 \cdot 3x^2y^2} - 3\sqrt{9 \cdot 3x^2y^2} = \\ \sqrt{100}\sqrt{3}\sqrt{x^2}\sqrt{y^2} - 3\sqrt{9}\sqrt{3}\sqrt{x^2}\sqrt{y^2} &= \\ = 10\sqrt{3}|x|\cdot|y| - 3\cdot 3\sqrt{3}|x|\cdot|y| &= 10|xy|\sqrt{3} - 9|xy|\sqrt{3} = \\ |xy|\sqrt{3} &\end{aligned}$$