1. Simplify the expression: (4 points)

\[ \sqrt{16x^2 y^3} \]

2. Calculate and simplify: (4 points)

\[ 8\sqrt{27} - 3\sqrt{3} \]
3. Simplify the expression: (4 points)

\[ \frac{5}{9 - \sqrt{6}} \]

4. Calculate and simplify: (3 points)

\[ \sqrt{-25} - \sqrt{-9} \]