1. (6) Perform one technique of integration to make the following integral “better” (one step closer to being solvable). Then write sentences describing the rest of the evaluation process. 

\[ \int \frac{\sqrt{x + 4}}{x} \, dx \]

2. (4) Use a Taylor Polynomial at \( a = 0 \) to find the limit. 

\[ \lim_{x \to 0} \frac{2 \cos x - 2}{x^2} \]