1. If \( \sin A = \frac{3}{5} \), and \( \cos A < 0 \), find \( \tan A \).

2. In triangle DEF, \( DE = \sqrt{3} \) and \( DF = 2 \).

   What is the value of \( \tan x \)?

3. Use the Pythagorean identity \( \sin^2(x) + \cos^2(x) = 1 \) to find the value of \( \cos(x) \) if \( \sin^2(x) + 2\cos(x) - 2 = 0 \).