1.) (5 pts.) Using implicit differentiation, compute \( \frac{dy}{dx} \) if \( 5x^2 - 6xy + 5y^2 = 16 \).

2.) (5 pts.) Use a reference triangle to rewrite \( \tan(\arccos x) \) as an algebraic expression. That is, your new expression may include \( x \), square roots, and/or fractions, but no trigonometric or inverse trigonometric functions.