Group Work 9: Two Questions Involving the Chain Rule

[1] \( f(x) = \left( \frac{x^2-1}{x^2+1} \right)^5 \) Find \( f'(x) \). Show all details clearly and use correct notation.

[2] \( f(x) = 2 \cos(x) + (\cos(x))^2 \) Find the \((x, y)\) coordinates of all points on the graph of \( f \) that have horizontal tangent lines.