1. Let \( f \) be a function of \( x \) such that \( f(x) = \frac{x^2 + 1}{x^2 - 1} \). What is \( f(-2) \)?

2. If \( f(x) = x^2 - 6 \), what is \( f(x + 2) \)? Simplify your answer.

3. Let \( A = \{1, 2, 3, 4\} \) and \( B = \{1, 3, 5, 7, 9\} \). Draw an arrow diagram that gives a nonfunction from \( A \) to \( B \).