1. What are:
   (a) \( \sin \theta \)  (b) \( \cos \theta \) (c) \( \ln 1 \).

2. What is the equation of the line joining (1, 1) and (2, 3)?

3. If \( f(x) = \frac{1}{x+1} \), what is the inverse function \( f^{-1}(x) \)?