1. Find an equation of the line that passes through the point \((-\pi, 1)\) with slope \(\sqrt{2}\).

2. Find the center and radius of the circle described by the equation \(x^2 - 6x + y^2 + 2y - 6 = 0\).

3. Let \(f(x) = \frac{1}{x}\). Simplify the difference quotient \(\frac{f(x + h) - f(x)}{h}\) as much as possible.