Name:

Complex Analysis - Quiz 10

1. Evaluate $\displaystyle\int_\gamma \frac{z^2-1}{z^2+1}\,\mathrm{d}z$ where γ is the circle of center 0 and radius 2 in clockwise direction.

2. Evaluate $\displaystyle\int_\gamma \frac{\sin e^z}{z}\,\mathrm{d}z$ where γ is the unit circle in clockwise direction.