All curves are positively oriented unless otherwise noted.

1. Find a few terms of the Laurent series of the function

$$
\frac{e^{1 / z}}{z^{2}-1}
$$

around 0 , and in all different annuli where this is defined.
2. Find the Laurent series of the function

$$
\frac{z+1}{z(z-4)^{3}}
$$

in the annulus $0<|z-4|<4$.

