Duit # 2

Or Determine the Poles and the residue of each Pole of the Lundien.

$$f(z) = \frac{z^2}{(z-1)^2(z+2)}$$

l = Evaluate $\begin{cases} \frac{7}{2^2+1} & d \neq where \end{cases}$

Os Find Louvent's $\geq x$ ponsion of the function $f(z) = \frac{7z-2}{(z+1)(z+2)}$ in the region |z|z+1|z|.

04 Find the Fourier Series of the American

$$\begin{cases}
-1 & \text{for } -\pi < x < -\pi/2
\end{cases}$$

$$\begin{cases}
-1 & \text{for } -\pi / x < x < -\pi/2
\end{cases}$$

$$\begin{cases}
-1 & \text{for } -\pi / x < x < \pi/2
\end{cases}$$

$$\begin{cases}
-1 & \text{for } \pi / x < x < \pi/2
\end{cases}$$