Logarithmic derivatives of polynomials July -12-08
10:24 AM

$$
\begin{aligned}
& \frac{p}{a}=\frac{u^{\prime}}{u} \Rightarrow
\end{aligned}
$$

$$
\begin{aligned}
& \cdots=\pi\left(x-x_{i}\right) \quad \log u=\sum \log \left(x-x_{i}\right) \\
& \frac{u^{\prime}}{u}=\sum \frac{1}{x-\lambda_{i}}{ }^{2}=\frac{1}{9} \\
& \frac{p}{q}=\sum \frac{a_{i}}{x-\beta_{i}}
\end{aligned}
$$

