Here are some examples of LaTeX commands that could help you write a calculational proof.

Writing a code chunk on a line: `(length (append xs ys))`.

And here's a chunk of a calculational proof:

$$
\begin{aligned}
&\texttt{(length (append xs ys))} \\
&\quad = \{ \text{by assumption, } \texttt{xs} = \texttt{(cons z zs)} \} \\
&\texttt{(length (append (cons z zs) ys))} \\
&\quad = \{ \text{append-cons law} \} \\
&\texttt{(length (cons z (append zs ys))}
\end{aligned}
$$