$$\begin{array}{r}
x^2 + 5x + 4 \\
x - 1 \overline{\smash{\big)}\ x^3 + 4x^2 - x - 4} \\
\underline{-(x^3 - x^2)} \\
5x^2 - x - 4 \\
\underline{-(5x^2 - 5x)} \\
4x - 4 \\
\underline{-(4x - 4)} \\
0
\end{array}$$