

$$\begin{array}{r}
 x^2 + 6x + 5 \\
 \hline
 x-1 \left[ \begin{array}{r}
 x^3 + 5x^2 - x - 5 \\
 \underline{-x^3 + x^2} \\
 6x^2 - x - 5 \\
 \underline{-6x^2 + 6x} \\
 5x - 5 \\
 \underline{-5x + 5} \\
 x
 \end{array} \right. \\
 \hline
 \end{array}$$