

$$\begin{array}{r}
 \phantom{x-1)} \phantom{x^3} \phantom{+} x^2 + 2x + 2 \\
 \hline
 x-1) \phantom{x^3} x^3 + x^2 \phantom{+} \phantom{2x} - 1 \\
 \phantom{x-1)} \underline{-x^3 + x^2} \phantom{+} \phantom{2x} - 1 \\
 \phantom{x-1)} \phantom{x^3} 2x^2 \phantom{+} \phantom{2x} - 1 \\
 \phantom{x-1)} \phantom{x^3} \underline{-2x^2 + 2x} - 1 \\
 \phantom{x-1)} \phantom{x^3} \phantom{-2x^2} 2x - 1 \\
 \phantom{x-1)} \phantom{x^3} \phantom{-2x^2} \underline{-2x + 2}
 \end{array}$$