

$$\begin{array}{r}
 \phantom{x^2 - 2x - 3} x \phantom{+ 1} \\
 \hline
 x^2 - 2x - 3 \bigg) \phantom{x^3} x^3 - x^2 - 4x + 4 \\
 \phantom{x^2 - 2x - 3} \underline{x^3 - 2x^2 - 3x} \phantom{+ 4} \\
 \phantom{x^2 - 2x - 3} \phantom{x^3} x^2 - x + 4 \\
 \phantom{x^2 - 2x - 3} \phantom{x^3} \underline{x^2 - 2x - 3} \\
 \phantom{x^2 - 2x - 3} \phantom{x^3} \phantom{x^2} x + 7
 \end{array}$$