$$\frac{\left(\begin{array}{c} x^3 - 2x^2 - 5x + 6 \\ -x^3 - x^2 \\ \hline -3x^2 - 5x \\ \hline 3x^2 + 3x \\ \hline -2x + 6 \\ \underline{2x + 2} \\ 8
\end{array}$$