$$
\begin{array}{r}
3x + 1 \\
x^2 - 3x + 2 \overline{\big)\ 3x^3 - 8x^2 + 4x - 1} \\
3x^3 - 9x^2 + 6x \\
\hline
x^2 - 2x - 1
\end{array}
$$