$$
\begin{array}{r|l}
 & x^2 + 2x - 4 \\
\hline
x-2 & x^3 + 0\cdot x^2 - 8x + 8 \\
 & \underline{x^3 - 2x^2} \\
 & \quad 2x^2 - 8x \\
 & \quad \underline{2x^2 - 4x} \\
 & \qquad\quad - 4x + 8 \\
 & \qquad\quad \underline{- 4x + 8} \\
 & \qquad\qquad\quad 0
\end{array}
$$