

$$\begin{array}{r} (x^3 + 2x^2 - 5x - 6) \div (x - 2) = x^2 + 4x \\ \underline{-(x^3 + 2x^2)} \phantom{- 5x - 6} \\ 4x^2 - 5x \phantom{- 6} \end{array}$$