

$$\begin{array}{r}
 2x^2 - 5x - 33 \\
 \hline
 x^3 + 2x^2 + x + 2) \\
 2x^5 - x^4 - 41x^3 + 59x^2 - 43x + 60 \\
 - 2x^5 - 4x^4 - 2x^3 - 4x^2 \\
 \hline
 - 5x^4 - 43x^3 + 55x^2 - 43x \\
 5x^4 + 10x^3 + 5x^2 + 10x \\
 \hline
 - 33x^3 + 60x^2 - 33x + 60 \\
 33x^3 + 66x^2 + 33x + 66 \\
 \hline
 126x^2 + 126
 \end{array}$$