

Which of the following is the remainder of $3x^3 - x^2 - 2x + 3$ divided by $x + 1$

$$\begin{array}{r}
 + (3x^2) + (-4x) + (2) \\
 \hline
 (x+1)(3x^3 + (-1)x^2 + (-2)x + (3)) \\
 (3x^3) + (3x^2) \\
 + (-4)x^2 + (-2)x + (3) \\
 + (-4x^2) + (-4x) \\
 + (2)x + (3) \\
 + (2x) + (2) \\
 + (1)
 \end{array}$$