

$$\begin{array}{r}
 x^3 + 10x \\
 x^2 + 3x + 2 \bigg) \overline{ x^5 + 3x^3 + 1 } \\
 \overline{ x^5 + 3x^4 + 2x^3 + 1 } \\
 - 3x^4 + x^3 + 1 \\
 - 3x^4 - 9x^3 - 6x^2 + 1 \\
 10x^3 + 6x^2 - 2x + 1 \\
 10x^3 + 30x^2 + 20x \\
 - 24x^2 - 22x + 1 \\
 - 24x^2 - 72x - 48 \\
 50x + 49
 \end{array}$$