2.

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

$$
\begin{array}{r}
+(\boxed{-2x^2}) \quad +(\boxed{8x}) \quad +(\boxed{-21}) \\
\hline
x+3 \quad (-2)x^3 \quad +(2)x^2 \quad +(3)x \quad +(-1) \\
(-2x^3) \quad +(-6x^2) \\
+(8)x^2 \quad +(3)x \quad +(-1) \\
+(8x^2) \quad +(24x) \\
+(-21)x \quad +(-1) \\
+(-21x) \quad +(-63) \\
+(62)
\end{array}
$$