3.

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

$$
\begin{array}{r|lll}
 & & +(\boxed{-j^2}) & +(\boxed{3j}) & +(\boxed{-1}) \\
\hline
\boxed{j+1} & (-1)j^3 & +(2)j^2 & +(2)j & +(-1) \\
 & (\boxed{-j^3}) & +(\boxed{-j^2}) & & \\
 & & +(3)j^2 & +(2)j & +(-1) \\
 & & +(\boxed{3j^2}) & +(\boxed{3j}) & \\
 & & & +(-1)j & +(-1) \\
 & & & +(\boxed{-j}) & +(\boxed{-1}) \\
 & & & & +(\boxed{0})
\end{array}
$$