5.

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

$$
\begin{array}{r}
+ (\boxed{-j^2}) \quad + (\boxed{2j}) \quad + (\boxed{1}) \\
\hline
\boxed{j} \quad (-1)j^3 \quad + (2)j^2 \quad + (1)j \quad + (3) \\
(\boxed{-j^3}) \\
+ (2)j^2 \quad + (1)j \quad + (3) \\
+ (\boxed{2j^2}) \\
+ (1)j \quad + (3) \\
+ (\boxed{j}) \\
+ (\boxed{3})
\end{array}
$$